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OCCIDENTAL COLLEGE BULLETIN

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Correspondence concerning general interests of the College should be addressed to the President.

Inquiry concerning faculty appointments and academic interests should be addressed to the Dean of the Faculty.

Other inquiries should be addressed to the officers named below:

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Alumni Affairs	<i>Director of Alumni Relations</i>
Business Affairs	<i>Comptroller</i>
Catalogues and bulletins	<i>Secretary of the Faculty</i>
Public events and lectures	<i>Director of Thorne Hall</i>
Scholarships, employment and student aid . . .	<i>Director of Student Aid</i>
Student affairs	<i>Dean of Students</i>
Summer Session	<i>Coordinator of Summer Term</i>
Transcripts of Records, etc.	<i>Registrar</i>
Veterans' affairs	<i>Dean of Men</i>

OCCIDENTAL COLLEGE BULLETIN

MAY, 1966

VOL. XLIII, No. 4

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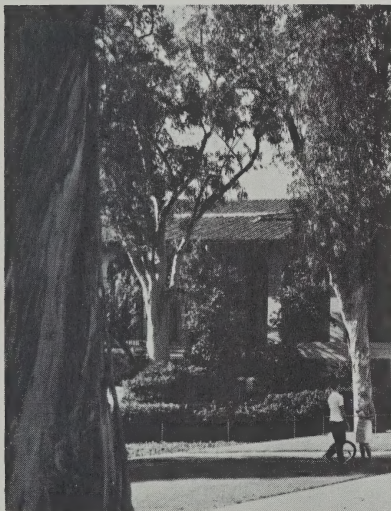
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OCCIDENTAL COLLEGE BULLETIN



1966-67 CATALOGUE ISSUE

Seventy-ninth Academic Year

OCCIDENTAL COLLEGE, *Los Angeles, California*

A WORD TO PROSPECTIVE STUDENTS

A college catalogue must serve many purposes, but one of its most important functions is to give to prospective students and their parents information which will be helpful in choosing a college. A review of the Table of Contents on pages 6 and 7 will help you to locate information of special interest to you. If you do not find answers to questions which you may have in mind, please feel free to write to officers of the college as indicated inside the front cover of this bulletin. You are most cordially invited to visit the Occidental College campus whenever it may be convenient for you to do so. A student guide will be provided for you if you make arrangements ahead of time with the Admission Office for an interview and a guided tour of the campus.

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COLLEGE CALENDAR 1966-67

FALL TERM

September 18, Sunday, through *September 21*, Wednesday: Orientation
September 21, Wednesday: Registration
September 22, Thursday: Classes Begin
November 24, Thursday, through *November 27*, Sunday: Thanksgiving
Recess
December 2, Friday: Classes End
December 5, Monday, through *December 9*, Friday: Final Examinations

WINTER TERM

January 3, Tuesday: Registration
January 4, Wednesday: Classes Begin
March 3, Friday (afternoon) and *March 4*, Saturday: Comprehensive
Examinations
March 10, Friday: Classes End
March 13, Monday, through *March 17*, Friday: Final Examinations

SPRING TERM

March 27, Monday: Registration
March 28, Tuesday: Classes Begin
May 26, Friday (afternoon) and *May 27*, Saturday: Comprehensive
Examinations
May 31, Wednesday: Classes End
June 2, Friday; 3, Saturday; 5, Monday; and 6, Tuesday: Final
Examinations
June 11, Sunday: Commencement

SUMMER TERM 1967

June 26, Monday: Registration
June 26, Monday: Classes Begin 1:00 p.m.
July 28, Friday: End of First Five-week Term
July 31, Monday: Classes Begin for Second Five-week Term
September 1, Friday: End of Long Term and Second Five-week Term

1966

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THE COLLEGE

Occidental College is a coeducational college of liberal arts, founded in 1887 by a group of Presbyterian ministers and laymen. It endeavors to maintain the tradition and spirit of a nonsectarian Christian institution, and although completely independent in governance, is related to the United Presbyterian Church in the U.S.A. through membership in the Presbyterian College Union. The College has occupied its present campus of over one hundred acres, in a residential section of northeast Los Angeles, since 1914.

It is the primary purpose of Occidental College to provide an educational environment in the best tradition of liberal learning. Degrees offered include the Bachelor of Arts and the Master of Arts in selected fields, and the Doctor of Philosophy in Comparative Literature and Anglo-American Literature in cooperation with the Intercollegiate Program of Graduate Studies. By authority of the California State Department of Education, Occidental recommends candidates for elementary, secondary, and junior college teaching credentials.

The total educational program at Occidental is designed to develop persons of critical and creative intelligence, who in their personal lives are willing to confront, and be confronted by, the fundamental questions of human existence, and who in their relationships with others will serve and strengthen the society of which they are a part. The personal development of the individual student is a matter of primary concern at Occidental and is fostered not only by the curriculum but also by various activities and organizations which are a part of campus life in a residential college.

The formal curriculum at Occidental provides opportunity for a degree of mastery in a chosen field of study, and at the same time seeks to develop a heightened awareness of the intellectual and spiritual heritage of contemporary culture. While this curriculum brings student and faculty member together in a cooperative venture in teaching-and-learning, Occidental strives to emphasize the student's personal responsibility for his own education.

Occidental students are admitted from a wide range of social, economic, racial, and religious backgrounds, and come from throughout the United States and from abroad. In recent years approximately two-thirds of the graduating seniors have continued into graduate and professional schools. Occidental graduates have received some of the nation's most distinguished awards for graduate study, including Rhodes Scholarships, Marshall Scholarships, Danforth Fellowships, and Woodrow Wilson National Fellowships.

The academic standards at Occidental have long been recognized. In 1918 the College was placed on the accredited list of the Association of American Universities, and the Delta of California Chapter of Phi Beta Kappa was established at Occidental in 1926. The College is fully accredited by the Western Association of Schools and Colleges, and holds membership in a number of regional and national organizations in the field of higher education.

A college such as Occidental exists because of the confidence and support of many persons, corporations, foundations, church groups and other organizations. This variety of support yields strength, independence, and freedom, and enables the College to realize its objectives as an educational institution. In recognition of their leadership in unifying the forces which have contributed to its strength and support since its founding nearly eighty years ago, the Presidents of Occidental College are here listed.

REV. SAMUEL H. WELLER, A.M., D.D.	1887-1891
J. MELVILLE MCPHERRON, A.M.	1891-1894
REV. ELBERT N. CONDIT, A.M.	1894-1896
REV. JAMES W. PARKHILL, A.M., D.D.	1896-1897
REV. GUY W. WADSWORTH, D.D.	1897-1905
REV. WILLIAM STEWART YOUNG, D.D. (Acting President)	1905-1906
JOHN WILLIS BAER, LL.D., LITT.D.	1906-1916
THOMAS GREGORY BURT, PH.D., (Acting President)	1916-1917
REV. SILAS EVANS, D.D., LL.D.	1917-1920
THOMAS GREGORY BURT, PH.D. (Acting President)	1920-1921
REV. REMSEN BIRD, B.D., D.D., LL.D., L.H.D.	1921-1946
ROBERT G. CLELAND, PH.D., LL.D., LITT.D., L.H.D. (Acting President) First Semester	1927-1928
ARTHUR G. COONS, PH.D. (Acting President)	1945-1946
ARTHUR G. COONS, M.A., PH.D., LL.D., SC.D., L.H.D.	1946-1965
RICHARD C. GILMAN, PH.D.	1965-

For a complete history of the college, see Andrew F. Rolle, *Occidental College: The First Seventy-Five Years* (1962).

THE CAMPUS

Occidental College occupies a campus of one hundred twenty acres in the northeast section of Los Angeles, six miles from the City Hall and midway between Pasadena and Hollywood. The campus lies on the slope of a low range of hills and the location of buildings and the landscaping have been planned to take full advantage of this hillside situation. The present plant includes twenty-nine major buildings and several other structures.

THE CENTRAL QUADRANGLE was relandscaped in 1937 under a comprehensive plan developed by Mrs. Beatrix Farrand, landscape consultant, and the college architects, with funds provided by Mr. Alphonzo E. Bell, '95.

JOHNSON HALL is the gift of Mr. and Mrs. O. T. Johnson of Los Angeles, who are credited with various other generousities to the college. In Johnson Hall are located the administrative offices, faculty offices and classrooms. In the building is a chapel of Old English type, known as Alumni Hall, seating three hundred seventy. *Erected 1914.*

FOWLER HALL, erected as a memorial to Eldridge M. Fowler of Pasadena by his daughter and granddaughter, provides classrooms, laboratories and offices for several departments. *Erected 1914.* A subcritical reactor and associated measuring equipment installed in this building under a grant from the Atomic Energy Commission in 1959 provides exceptional facilities for the study of all aspects of nuclear physics at the undergraduate level. The Frank J. Smiley Geological Collection is located in Fowler Hall. Originally also in this building, the Calvin O. Esterly Memorial Collection of Natural Science was transferred in 1960 to Norris Hall.

JAMES SWAN HALL, at the west side of the main quadrangle, *erected 1914* by Mrs. Frances B. Swan as a tribute to her husband, provides seminar rooms, faculty offices, and office accommodations for public services, including Alumni, Development and Public Information. The Computing Center, containing the IBM 1620 and associated equipment is located in this building.

THE MARY NORTON CLAPP LIBRARY is the gift of Mrs. Emma B. Norton in memory of her daughter, Mrs. E. P. Clapp. In addition to the reference,

periodical and stack rooms, this building also provides conference rooms, a seminar room, and a graduate students' reading room. *Erected 1924.* During the year 1954-55 gifts from the Clapp family made it possible to double the size of the Library by the addition of wings on the east and west sides. These additions provide a browsing room, reading rooms and additional stack space. A Fine Book room has been equipped and furnished through gifts from the Carl F Braun family as a memorial to Carl F Braun.

THE WILLIS H. BOOTH MUSIC-SPEECH CENTER consists of a one-story building, with practice rooms and the Helen and Remsen Bird Studio, and a two-level structure providing departmental offices, the Douglas Wright, Jr., Memorial Room (for choral music) with Kilgen organ, the Dorothy Buffum Chandler Instrumental Rehearsal and Music Classroom, playmill, teaching studios, music library and listening booths, practice and seminar rooms. Both structures are the gifts of many alumni and friends of the college. *Original structure erected 1929; two-level structure, 1960.*

BELLE WILBER THORNE HALL, the college auditorium, was erected by Charles H. Thorne in memory of his wife. In addition to the auditorium, seating one thousand, the building provides a large stage, practice and rehearsal rooms for drama and choral groups, and other facilities for the Music and Speech Departments. The four-manual Skinner organ is the gift of Mr. and Mrs. Euclid W. McBride. *Erected 1938.*

THE ROBERT T. MOORE LABORATORY OF ZOOLOGY is the gift of Dr. Robert T. Moore and Margaret C. Moore of Borestone Mountain, Monson, Maine, as Trustees of the Orcutt and Margaret Trusts. This building contains the Robert T. Moore Collection of sixty-five thousand specimens of birds and mammals and has classroom and research facilities. *Erected 1951.*

THE ART BUILDING, south of the Library, makes available three studios, one classroom, a work room and office space for the Art Department. *Erected 1955.*

THE ART STUDIO, formerly the Women's Gymnasium, erected in 1922, provides additional facilities for the Department of Art, including studios for sculpture, graphics and advanced work in comprehensive projects.

THE KENNETH T. NORRIS HALL OF SCIENCE, containing THE EARLE M. JORGENSEN LABORATORIES in Biology and Chemistry, and the SAMUEL B. MOSHER SCIENCE LECTURE HALLS, recognizes the vision and the generosity of these members of the Board of Trustees and their wives and the generosity of the Carl F Braun Trust. This building includes an auditorium seating 225, two lecture rooms, laboratories and offices for the departments of Biology and Chemistry. *Erected 1960.*

THE HILLSIDE THEATRE. The first unit of this structure is the gift of the Eagle Rock community, Mr. Alphonzo Bell, '95, Mr. William Meade Orr,

THE CAMPUS

Mrs. Calvin Pardee, and other friends of the college. In the main it is Greek in design, but has a raised stage and a circular orchestral pit approached by a stepped ramp. The theatre has a seating capacity of approximately five thousand, and is noted for its picturesque location and remarkable acoustic properties. *Erected 1925.*

THE DRAMA WORKSHOP, a one-story building located on the west side of the Hillside Theatre, provides classrooms and workshop areas for the performing arts. *Erected in 1965.*

THE ROBERT FREEMAN COLLEGE UNION serves as a center for the social life of the campus. It includes dining rooms, a soda fountain and lounges, one of which has been named in memory of Mrs. Julia A. Pipal, for many years Director of Residence and Social Activities. This building also contains student body offices, the Bookstore, the College Post Office, the office of the Purchasing Agent, the Plant Offices and the central heating plant. *Erected 1928; addition completed 1956.* In 1953 and 1954, certain improvements of the private dining room and the reception lounge were made possible by gifts from Mr. and Mrs. Carl F Braun and the C F Braun Co.

HELEN G. EMMONS MEMORIAL is the gift of G. E. Emmons in memory of his wife. This building is a health center for the treatment of minor illness. *Erected 1936.*

THE EDWARD HAYES MORSE MEMORIAL OBSERVATORY is the gift of Mrs. Morse in memory of her husband. It consists of a 15-inch reflecting telescope of the Newtonian type with electric driving mechanism. An 8-inch Cassegrain reflector, a 6-inch Newtonian reflector, and a solar telescope with motor-driven ceostat complete the Morse collection of astronomical instruments. *Erected in 1944.*

THE FACULTY CLUB occupies a building erected in 1922 as the President's House. Through the generosity of the Carl F Braun Trust this building was remodeled and refurnished in 1957 for its present use.

HERRICK MEMORIAL CHAPEL was made possible by a bequest of the late John Pierce Herrick in memory of his wife, Margaret Brown Herrick. This building provides for a Chapel accommodating 500; a fellowship hall, seminar and reading rooms, and office accommodations for the Chaplain. *Erected 1964.*

RESIDENCES FOR MEN AND WOMEN

HERBERT G. WYLIE HALL, a men's residence named in honor of a generous patron of the college and a member of the Board of Trustees, is a building which provides rooms for fifty men. *Erected 1940.*

STEWART-CLELAND HALL, a men's residence named in honor of Milton and Mary W. Stewart, generous benefactors of the college for a long period of years; and Robert Glass Cleland, '07, Ph.D., LL.D., Litt.D., L.H.D., historian, author, Professor of History, former Dean of the Faculty and Vice-President and member of the Board of Trustees; his father, the Reverend Robert W. Cleland; his mother, Sallie Glass Cleland; his brother, T. Horace Cleland, '03; and his wife, Muriel Stewart Cleland. This modern building houses 134 freshmen, a head resident and ten senior proctors. *Erected 1953.*

BELL-YOUNG HALL, a men's residence named in memory of two families of great significance in the life of the college, recognizes especially Mr. James G. Bell, a founder; Mr. Alphonzo E. Bell, onetime president of the Board of Trustees and great benefactor; and Dr. and Mrs. William Stewart Young, Dr. Young having been a founder and for fifty years the secretary of the Board of Trustees. This building honors also the members of these two families. It accommodates 107 men. *Erected 1956.*

BRAUN HALL, a men's residence, is named in memory of Carl F Braun, a generous benefactor of the college. This hall, fully air-conditioned, accommodates 110. *Erected 1962.*

PAULEY HALL, a men's residence, is named in memory of Elbert L. and Ellen E. Pauley, in recognition of the gifts of Mr. and Mrs. Edwin W. Pauley. This hall accommodates 107. *Erected 1959.*

BERTHA HARTON ORR HALL, a women's residence, was given by William Meade Orr in memory of his wife. This hall offers living quarters to sixty-five women. *Erected 1925.*

GRACE CARTER ERDMAN HALL, a women's residence, was built in memory of the wife of Professor Pardee Erdman. It was made possible in part by gifts from Mrs. Calvin Pardee, Mrs. Charles R. Erdman, Professor Erdman, and friends, and in part by college funds. Erdman Hall accommodates seventy women. *Erected 1927.*

HAINES HALL, built in honor of Mr. Francis Haines and Mrs. Mary Orr Haines, his wife, is a women's residence. Erected in 1940 to accommodate seventy-five students, this building was enlarged to provide space for thirty-two additional women in 1954.

ANNA CLUTE NEWCOMB HALL, a residence for 137 women students, is named in recognition of Mrs. James G. Newcomb, trustee and benefactor, who had great interest in the welfare of the women students and rendered many services to the college. *Erected 1956.*

CHILCOTT HALL, a women's residence, is named in honor of Mr. and Mrs. E. R. Chilcott and the Chilcott family, benefactors of the college. This hall is integrated with Orr Hall and accommodates eighty-four. *Erected 1959.*

THE CAMPUS

1966 RESIDENCE HALL is the first coeducational complex with two sections, one housing ninety men and the other housing sixty women, with communal facilities including a lounge, recreation room, library and three music rooms. Student rooms are arranged in cluster groups of sixteen. *Erected in 1966.*

GYMNASIUM, ATHLETIC AND RECREATIONAL FACILITIES

THE ALUMNI GYMNASIUM, a reinforced concrete structure situated south of Patterson Stadium, provides a floor, dance studio, classrooms, and offices for the Department of Physical Education. It was constructed from gifts by Alumni and Associated student. *Erected 1926.*

THE E. S. FIELD MEMORIAL BUILDING surrounds the open-air steam-heated TAYLOR SWIMMING POOL. The pool was the gift of Mr. and Mrs. J. Hartley Taylor and their daughter, Mary Barbara Taylor, '29, and the Field Building honors Mr. E. S. Field, first president of the Board of Trustees. *Erected 1930.*

THE FRANK NEILL RUSH GYMNASIUM, named in honor of a distinguished athlete and alumnus ('09); member of the Board of Trustees since 1926 and its Chairman 1947-51 and 1956-57; provides a basketball pavilion, with dressing and locker facilities. It has a seating capacity of 1,800. *Erected 1965.*

THE W. C. PATTERSON STADIUM AND ATHLETIC FIELD, named in honor of a friend and former trustee, was erected by Mrs. Patterson. The stadium has a seating capacity of five thousand five hundred, and provides a football field, track, and other facilities for physical education and outdoor sports. *Erected 1916.*

THE W. W. ANDERSON BASEBALL FIELD is located to the north and east of Stewart-Cleland Hall.

THE PAUL SPENCER BASEBALL FIELD HOUSE, a gift of Paul Spencer, '28, is located on Anderson Field to house Varsity, Freshman and visiting baseball teams. *Erected 1958.*

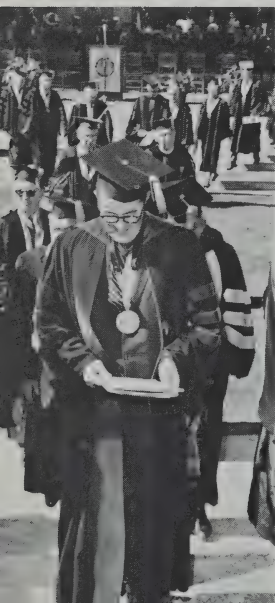
There are six TENNIS COURTS on the campus, three of which are the gift of Mr. A. E. Bell, '95, president of the Board of Trustees from 1938 to 1945, and one the gift of A. C. Way.

ADMINISTRATION HOMES

THE PRESIDENT'S HOUSE, located above the women's residence quadrangle and adjacent to the Hillside Theatre, is of the California Monterey style of architecture. *Erected 1932.*



*Richard Carleton Gilman was inaugurated as the
tenth President of Occidental College on
October 25, 1965*





*The Central Quad is the scene of occasional informal
luncheons and suppers*





Erected in 1966, the eleventh residence hall has separate sections for men and women, with communal lounge

20

Herrick Memorial Chapel has a fellowship hall, seminar and reading rooms on the lower level







Project Amigos in Tijuana Mexico and services for disadvantaged children in the urban community are evidence of the social concern of Occidental students





*Rush Gymnasium, adjoining Taylor Pool and Alumni Gymnasium,
was completed in 1965*

23

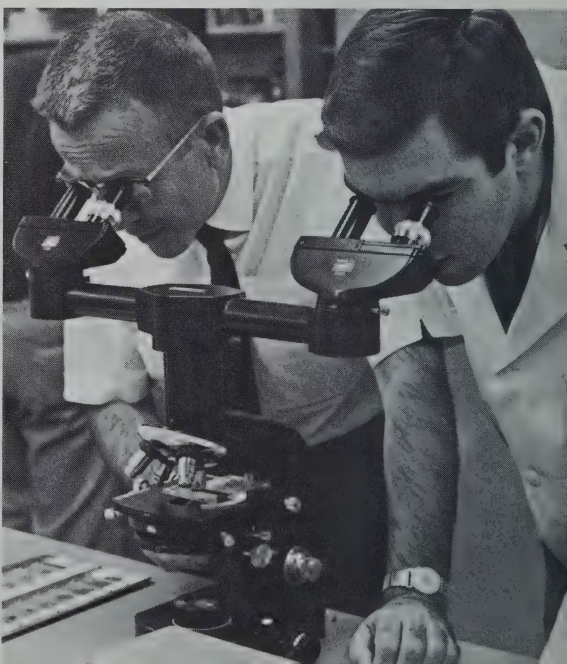
Johnson and Fowler Halls face the Central Campus

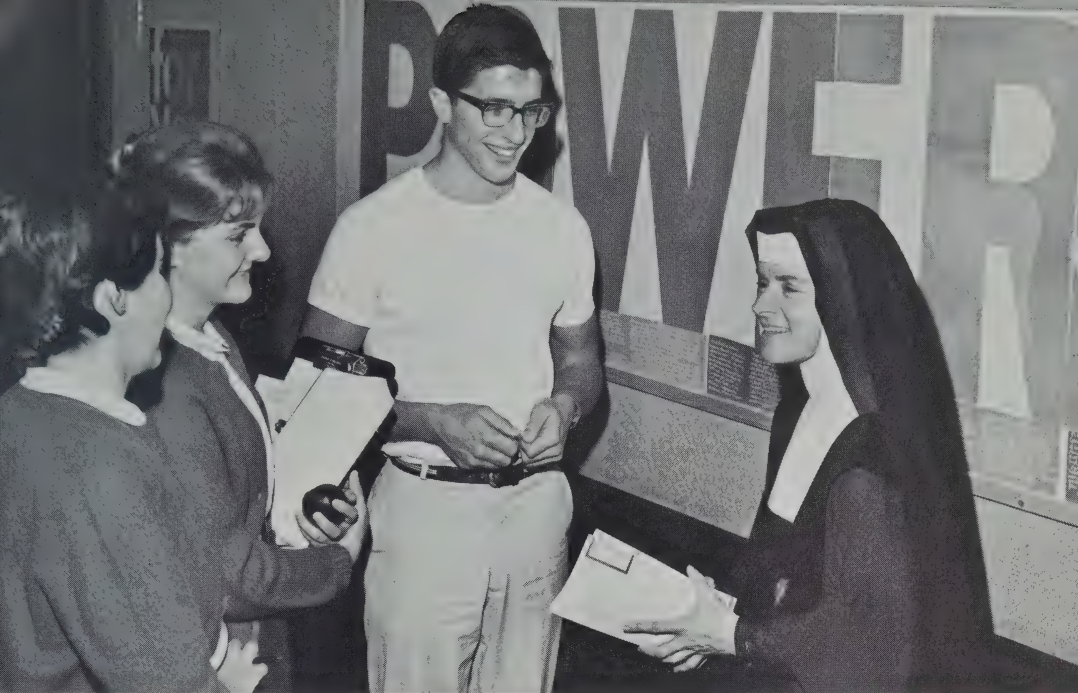






Varied types of supervised laboratory research are provided at Occidental





*Sister Mary Corita, shown with one of her famed serigraphs, was
1966 Phi Beta Kappa Day Assembly speaker*

Student art work is displayed on campus





THE CAMPUS

Two other campus residences are available for administrative officers, one, of the California Monterey style of architecture, occupying a hillside location adjacent to the Hillside Theatre, *erected 1932*; and one of contemporary style of architecture, occupying a site opposite the President's House, *erected 1951*.

GENERAL

GATES. Three of the six entrances to the campus are marked by ornamental gates erected by the following persons:

Alumni Avenue—William Meade Orr.

Westdale Avenue—Mrs. Mary C. Pardee.

Ridgeview Avenue—Mr. and Mrs. Walter Van E. Thompson.

ACADEMIC POLICIES

The academic year at Occidental College consists of three eleven-week terms, each including one week of final examination. A student may register each term for a maximum of three courses, plus fractional courses not to exceed the equivalent of one-third course. See page 35 concerning fractional courses. Except in one term of the senior year, permission to register for less than three courses in any term will be granted only in exceptional cases through formal petition presented to the Registrar and approved by appropriate officers of the college.

REGISTRATION

During the spring term, current students who wish to return for the following year are preregistered for the entire academic year (four terms). Photostatic copies of previous records are issued to them at that time. Students previously in attendance at Occidental who are not preregistered complete all details of registration on the official registration day at the beginning of the term. Freshmen are preregistered by mail during the summer. New students with advanced standing (sophomores or higher) are not preregistered but receive on registration day statements evaluating their transferred credit in terms of Occidental's degree requirements and then complete their programs.

A registration day is designated at the beginning of each term for final registration by returning students and new students. Upon completion of procedures as outlined in registration materials the student's final registration is approved by the Comptroller and the Registrar. The student is then given a certificate of registration showing the courses for which he is enrolled. A fee of three dollars per day is charged for failure to complete preregistration and final registration on the dates announced each year. Any student who fails to complete his registration and secure the final approval of the Registrar within the first week of the term is not properly enrolled and may be denied all credit for the term's work.

STUDY LISTS

Each student is assigned to an academic adviser on the basis of his expressed interests. All courses for which the student wishes to register for credit must be listed on his official registration and his program must be approved in writing by his academic adviser. No student will be allowed to attend classes or to

ACADEMIC POLICIES

participate in college activities except as authorized by his certificate of registration and officially approved study-list.

Students interested in obtaining a teacher's credential must consult the chairman of the Department of Education before beginning the work of the junior year.

Preregistered students are given an opportunity on the official registration day at the beginning of each term to make changes in their programs without fee before presenting them for final approval. After registration day, official changes in study lists may be made only through formal petitions approved by the student's academic adviser, by the instructors whose courses are involved, and by the Registrar. One week is the limit for adding or dropping courses. A fee of three dollars is charged for each program change. This fee may be waived by the Registrar for new students in their first term at Occidental. The fee will be waived also for changes initiated by the college. A grade of Failure is recorded for any course dropped after one full week of classes unless exception is approved by the Dean of the Faculty on the basis of illness or other unavoidable cause.

AUDITORS

Any regularly registered full-time student may audit a course without fee, subject to permission of the instructor. Students not registered for credit may attend courses as auditors subject to formal permission through forms obtainable at the Office of the Registrar and payment of auditors' fees as indicated on page 145. An auditor may not participate actively in course work or take final examinations and therefore does not receive any credit. No entry is made on the student's permanent record concerning audited courses.

EXAMINATIONS

Final examinations are held in each course at the close of each term and are required of all students. At the discretion of the major department this requirement may be waived in major department courses in the term in which the student takes his comprehensive examination. Failure to take or to pass any final or other course examinations will result in such deficiencies as instructors may impose. A fee of three dollars is charged for an examination given at an irregular time or to make up a deficiency.

SCHOLARSHIP GRADES

The scholastic standing of both undergraduate and graduate students is indicated by the following grades: A, excellent; B, good; C, fair; D, barely passing; F, failure. A grade of Incomplete (inc.) may be used for an undergraduate and

ACADEMIC POLICIES

Deferred (def.) for a graduate under conditions as outlined below. In case of formal withdrawal before the end of a term, a grade of W is recorded to indicate that work in a course at the time of withdrawal was passing; WF indicates that the work was failing.

An Incomplete (inc.) indicates that although the work completed is of passing grade, some portion of the course remains unfinished because of illness or for some other reason over which the student has no control. This grade may be given by the instructor, subject to approval by the Dean of the Faculty, and may be removed in such manner as the instructor indicates. If not removed within one calendar year of the date on which it was incurred, an Incomplete becomes a Failure.

Subject to approval by the Chairman of the Graduate Committee, a graduate student's grade may be Deferred (def.) by the instructor who specifies the time limit within which the work of the course is to be completed, this limit not to exceed one year except in the case of M.A. Thesis or Ph.D. Dissertation. If not removed within the specified time limit, a Deferred grade becomes a Failure.

Instructors file with their grade reports at the end of each term written statements of reasons for assigning Incompletes, Deferred grades and Failures. In the case of an Incomplete or a Deferred grade, the statement indicates the work necessary to attain a final grade. A copy of this statement is given to the student with his grade report.

A student may take one course per term in the senior year outside his major on a Pass/Fail basis, subject to approval of his adviser and of the instructors in courses so chosen. Decision to elect a course on this basis must be made not later than Registration Day of the term in which the course is offered and may not subsequently be changed.

SCHOLARSHIP REQUIREMENTS

A "C" average in all work undertaken at Occidental is required for graduation.

At the close of each academic year the status of every student whose total record falls below "C" average is reviewed by the Committee on Student Conduct and Scholarship in conference with the student's academic adviser. Students may be placed on probation or suspended for low grades at the end of any term, if in the judgment of the Committee on Student Conduct and Scholarship their cumulative record indicates inability to meet graduation requirements.

A student who has been suspended shall be ineligible to reregister at Occidental College within one full calendar year after the date of his suspension.

No credit will be allowed toward a degree from Occidental for work done elsewhere while under suspension.

To apply for reinstatement after his year of suspension, a student shall file with the Committee on Student Conduct and Scholarship a written petition indicating his activities since the date of his suspension, his proposed program for the term after reinstatement, and his proposed plan for removing his academic deficiencies. This petition shall be filed not later than thirty days prior to the opening of the term in which the student wishes to reregister. An individual written agreement concerning terms of readmission shall be made between each reinstated student and the Committee on Student Conduct and Scholarship.

Standards of scholarship in major departments are stated under the rules governing distribution of work. (See page 39.)

Reports on students in scholastic difficulty are filed at midterm. Only the final grades at the end of each term are permanently recorded. All actions by the Committee on Student Conduct and Scholarship also become a part of the student's permanent record.

ATTENDANCE

In general, the college expects regular attendance of students at classes and at assemblies. College assemblies are considered an integral part of college life and of the college curriculum. They afford an opportunity for contact with the student body by student representatives, faculty and administration, and make possible the achievement of a sense of unity within the college group as a whole. Specific rules governing assembly attendance and outlining the penalties imposed for absences are issued each year by the Dean of Students.

LEAVE OF ABSENCE AND HONORABLE DISMISSAL

A student who wishes to withdraw from college may be granted a leave of absence or honorable dismissal provided signatures on the official withdrawal slip furnished by the Registrar indicate that he is in good standing in all of his courses and has met all of his financial obligations. If a student is not doing passing work in any course at the time of withdrawal, a Failure is entered on his permanent record for that course. Anyone who discontinues his work without official permission receives Failures for all courses in which he was registered at the time of withdrawing, loses his privileges of reregistration and forfeits his right to honorable dismissal. A student who wishes to return to Occidental after an absence must file an application for readmission through the office of the Registrar.

ACADEMIC POLICIES

CLASSIFICATION OF STUDENTS

The class in which a student is to be ranked is determined as follows: **FRESHMAN:** The meeting in full of all entrance requirements as outlined on pages 138-141. **SOPHOMORE:** The satisfactory completion of eight courses, or equivalent. **JUNIOR:** The satisfactory completion of seventeen courses, or equivalent. **SENIOR:** The satisfactory completion of twenty-six courses, or equivalent.

SUMMER STUDY AT OTHER INSTITUTIONS

In general, work taken elsewhere during the summer will not be given course credit toward a degree from Occidental College. Certain exceptions may be approved by the Dean of the Faculty if the proposed work is essential to the student's program provided formal petition for such consideration includes recommendation by the student's academic adviser and by the chairman of the department giving similar work at Occidental. It is also possible through such petitions to have summer study elsewhere accepted without credit to fulfill prerequisites or general college requirements.

UNDERGRADUATE STUDY

BACHELOR OF ARTS DEGREE

The regular undergraduate course at Occidental College normally extends through four academic years and leads to the degree of Bachelor of Arts. Emphasis during the first two years of the student's program is on the required courses designed to provide the foundation of a liberal education. The work of the last two years is devoted to study in one or more areas of concentration.

The curriculum is organized under a Three Course-Three Term program, which was adopted to permit greater depth of study. This program became effective in the fall of 1963. Each student may take not more than three courses per term, plus certain fractional courses for a total not to exceed three and one-third courses in any term. Students registered prior to 1963 are expected to meet requirements announced in the catalogue for the year in which they entered Occidental. Full provision was made for smooth phasing in of the new program without penalty to students in progress.

Unless modified in individual cases by administrative action, the following requirements must be fulfilled by all students entering Occidental College for the first time in September, 1963 and thereafter, in order to qualify for formal recommendation by the faculty for the degree of Bachelor of Arts:

1. The completion of a minimum of thirty-five courses. A maximum of thirty-six courses may be allowed. Both minimum and maximum are exclusive of physical education activity courses and Basic Air Science. (See footnote concerning fractional courses.)

2. The completion of general course requirements as follows:

- A. History of Civilization—a six-course sequence, to be taken during the freshman and sophomore years.

- B. Freshman English—one course, to be taken during the freshman year.

- C. A Foreign Language—The requirement may be met by an examination of competence or by completion of four term courses, whichever comes first. This is to be completed in the freshman and sophomore years except in the case of those whose major requirements make necessary postponement to the junior year.

NOTE: Certain courses are listed as fractional courses, evaluated as one-sixth course per term. Not more than two such courses may be taken in any one term. Degree credit for such courses is optional except where required by the major department. On petition to the Registrar, six fractional courses taken within a single department or in related fields may be credited as a full course. If this credit is in addition to the three courses covered by full tuition in the term in which the credit is established, a tuition fee of \$200 will be charged for the additional course. No tuition will be charged if the accumulated credit is within the three-course limit for the term. Of the thirty-six courses allowed for graduation, not more than two courses may be composed of accumulated fractional credit.

UNDERGRADUATE STUDY

D. Natural Science—three courses. The requirement may be met by three laboratory courses in the freshman and/or sophomore year or by Combined Science 1, 2 and 3 in the sophomore year.

E. Religion—one course, to be chosen from Religion 1, 2, 11 and 12. This is to be taken in the freshman or sophomore year except in the case of those whose major requirements make necessary postponement to the junior year.

F. Physical Education—one basic skill or activity each term during the freshman year, evaluated as one-sixth course per term. The Physical Education Department may establish standards of proficiency to determine the skill or activity course for which the student is best qualified.

3. The completion of American History, United States Constitution and California state and local government as required by Act of the California State Legislature. The American History may be met by History of Civilization 4 or 5, or by History 103 or 104. The United States Constitution requirement may be met by an examination given in the spring term, or by History 101, or by Political Science 50. The requirement in California state and local government may be met by examination given in the fall term, or by History 105, or by Political Science 50. If examinations are chosen, these should be completed as early in the student's career as possible. The examination in United States Constitution must be passed not later than the regularly scheduled test date in the spring term of the student's junior year. That in California State and Local Government must be passed not later than the regularly scheduled test date in the fall term of the student's senior year. Consult the History of Civilization office for test dates.

4. The completion of a major of not less than eight nor more than twelve courses in a department. A student graduating with thirty-six instead of thirty-five courses may take thirteen courses in the major. (For additional information concerning major concentration, see page 37.)

5. The attainment of a satisfactory grade in a final comprehensive examination in the major subject or area of concentration in either of the last two terms of the candidate's senior year.

6. Attendance at Occidental College during the final year prior to completion of degree requirements, with a minimum of eight courses for the year's work. A student who transfers from another institution and is granted senior standing must complete a full year's work of nine courses at Occidental College.

UNDERGRADUATE STUDY

7. The attainment of a "C" average or better for all courses undertaken at Occidental College and for the student's entire course.

8. The fulfillment of all degree requirements, other than the comprehensive examination and work in course in the final term, at least six weeks prior to graduation.

The degree of Bachelor of Arts is conferred at the June Commencement upon all candidates who have satisfied degree requirements at any time since the last Commencement.

HONORS AT GRADUATION

Graduation Honors include the following: *Summa cum Laude*, awarded to those students who have achieved a grade of A in 32 courses and an A— or above in the comprehensive examination; *Magna cum Laude*, awarded to those students who have achieved a grade of A in 27 courses and a B or above in the comprehensive examination; *cum Laude*, awarded to those students who have achieved a grade of A in 18 courses and a B— or above in the comprehensive examination.

Information concerning College Honors and Departmental Honors will be found on pages 53-54.

MAJOR CONCENTRATION

Not later than the beginning of the junior year, each student shall select one or more specialized areas in which he wishes to concentrate. Thereafter his program will be supervised by the chairman of his chosen major department. Students in the Honors Programs will be advised also by special Honors Counselors.

A list of undergraduate majors, including options where choice of more than one emphasis is offered within a department, is given below. Detailed information may be found under departmental announcements as indicated by page references.

INTERDEPARTMENTAL MAJORS:

Page Ref.

Chevalier Program in Diplomacy and World Affairs	55
Emphasis may be directed toward Political Studies, Economic Studies, Cultural Studies or Regional Studies (Asian, Latin American or European)	
Combined Plan Program in Liberal Arts and Engineering:	
Physical Sequence	58
Chemical Sequence	58
International Studies	59

UNDERGRADUATE STUDY

DEPARTMENTAL MAJORS:	<i>Page Ref.</i>
Art:	
History	63
Creative	63
Biology:	66
Chemistry:	70
Biological Chemistry	70
Economics:	74
Business Administration	74
English:	81
Comparative Literature	81
Geology:	87
History:	89
Languages and Linguistics: Group Major	96
French	96
German	96
Spanish	96
Mathematics:	103
Music:	105
Emphasis may be directed toward Composition or Performance (Conducting or Recital)	
Philosophy:	111
Religion:	111
Physical Education:	115
Physics	122
Political Science:	125
Psychology:	129
Sociology-Anthropology	132
Speech-Drama	135

The following regulations apply to all departments, under the general supervision of the Dean of the Faculty:

1. A major shall consist of not less than eight nor more than twelve courses in a department. A student graduating with thirty-six instead of thirty-five courses may take thirteen courses in the major.

2. Each department shall require of its major students in the senior year a comprehensive final examination based on the courses specified in the departmental announcements in this catalogue. The comprehensive examination grade becomes a part of each student's permanent record.

Each major department determines when its comprehensive examinations are to be held. They may be given at the regularly scheduled final examination period in either of the last two terms of the student's senior year.

A student who fails to pass his comprehensive examination may not take a second examination within six weeks after the date of failure unless special consideration is recommended by his major department.

Students who take comprehensive examinations must also take final course examinations unless at the discretion of the major department this requirement is waived in major department courses in the term in which the student takes his comprehensive examination.

3. Each department establishes its standard of scholarship requirements for majors. In general students who fail to attain a "C" average in introductory and intermediate courses of any department will not be accepted by that department as majors. The recommendation of the major department is necessary for graduation.

4. A change in the choice of a major may be made only through formal petition approved by the Dean of the Faculty and the chairmen of the departments concerned.

5. A student finding it necessary to change his major subject because of unsatisfactory scholarship in that subject may be placed on probation. Unsatisfactory scholarship in the new major may lead to his suspension from the college.

CREDIT BY EXAMINATION

In order to stimulate a maximum amount of effort and progress in students of high scholastic achievement and capacity for self-directed study, the faculty provides an opportunity to pass by examination many of the courses offered within the curriculum. It is recognized that not all courses nor all subject matter fields lend themselves equally to such an approach. Students seeking to take specified courses through examination are required to consult with departments and instructors for information as to content and coverage. It is assumed that preparation for special examination in any course is entirely the responsibility of the student and that the instructor is not obligated to supervise the work. The special examination, a part of which shall be written, is at least four hours in length. Additional methods of examination may be employed at the discretion of the instructor and the department concerned.

Grades for courses taken by examination appear on the student's permanent record. No course credit is granted toward the degree but examinations will be accepted to fulfill general college requirements or course prerequisites provided a grade of B or better is attained. In case of failure to pass the examination, a written statement giving the reason for the failure will be filed with the grade report.

UNDERGRADUATE STUDY

Only students registered for course work are eligible to apply for examination. A fee of \$20.00 is charged for each such examination. Petition forms are available at the office of the Registrar, and should be filed at the time of registration for the term, showing approval by the instructor, the chairman of the department in which the course is offered, the Dean of the Faculty, and receipt from the Cashier showing payment of the examination fee. A bibliography and an outline of the work to be done shall be attached to the petition form. Examinations must be completed within the first week of any term.

PRE-PROFESSIONAL COURSES

The plan of undergraduate study at Occidental College emphasizes a liberal education of the type which is generally recognized as desirable preparation for professional or vocational fields. Opportunity is afforded, however, for flexibility in developing programs suited to students' individual needs and in providing for the subjects which are specified by many professional schools as a basis for graduate study. Suggestions concerning adaptation of majors to preparation for various vocational and professional fields are included in departmental announcements in this catalogue. A partial list of these fields is summarized below. Students interested in any of them should seek counsel from advisers as indicated. Detailed information concerning vocational opportunities and preparation may be obtained from the Coordinator of Guidance and Placement Services. In all cases, students are expected to fulfill general degree requirements as outlined on pages 35-39.

	<i>Adviser</i>	<i>Page Ref.</i>
Business Administration	Haring	74
Diplomacy and Foreign Service	Mill	55
Engineering: Chemical	Cleland	58, 70
Mining and Petroleum	Birman	58, 87
Civil, Electrical and Mechanical	Hudson	58, 122
Government Service or Law	McKelvey, Reath	125
Journalism and Writing	Ryf	81
Librarianship	Harmsen	50
Medicine, Dentistry	McAnally	60
Ministry and Religious Education	Smylie	111
Music	Swan	105
Personnel Work	Cole	129
Physical Education	Burke	115
Public Administration	Lare	125
Social Work	Cole, Sheldon	129, 132
Teaching	Petrie	77

SUMMER TERM

The Summer Term provides profitable and interesting experiences which are not available in the other terms. Certain courses offered in Fall, Winter and Spring also are taught in the Summer Term.

Courses are available for both graduate and undergraduate students who are candidates for degrees and/or credentials and who wish to enrich or accelerate their programs or to make up course deficiencies; for teachers who are interested in professional advancement or who wish to renew their credentials; for adults who wish to elect courses for their own interest and improvement; and for high school students planning to enter a college or university.

The Summer Term covers a period of ten weeks. Included within it are two separate five-week sessions. Students may register for the entire term or for one of the shorter sessions. Dates for 1967 are listed in the College Calendar on page 8. Detailed information concerning the Summer Term will be available in a bulletin published in April which may be obtained by writing to the Coordinator of the Summer Term.

GRADUATE STUDY

Graduate work at Occidental College is limited to areas in which adequate facilities and teaching staff permit distinctive offerings. General policies have been established for the direction of work of high quality, but flexibility in the application of these policies makes it possible to adapt the program of each graduate student to suit his individual needs, interests and merit. Graduate work may be directed toward research as a foundation for doctoral study, toward preparation for teaching, toward attainment recognized by the degree of Master of Arts, or toward the Ph.D. degree in Comparative Literature or Anglo-American Literature.

Graduate study is under the general direction of the Graduate Committee, which determines the requirements for admission to graduate standing, and specifies the requirements for advanced degrees. This Committee acts upon credentials of applicants for admission, receives and passes upon departmental recommendations regarding graduate students and nominates candidates for advanced degrees.

Graduate students in residence have special library privileges, including withdrawal of books for extended periods and the use of individual keys to the Graduate Reading Room. For further information, students should inquire at the Library loan desk.

For information concerning the Intercollegiate Program of Graduate Studies, see pages 46 and 86.

A limited number of fellowships are available for graduate students. Inquiry concerning them should be addressed to the department of major interest.

ADMISSION

Graduate students are admitted subject to general regulations of the college and specific regulations as outlined by the Graduate Committee.

Admission to Occidental College is competitive. Applicants for admission to graduate standing are advised to present their credentials as early as possible in order to allow sufficient time for full consideration. The Graduate Committee determines admission to graduate standing on the basis of (1) previous academic records, (2) objectives for graduate work, (3) recommendations and (4) scores in the Miller Analogies Test plus the Advanced Tests section of the Graduate Record Examination for students entering the Departments of Biology, Education, and Psychology. Students in Comparative Literature or

Anglo-American Literature may take either the Miller Analogies Test or the Graduate Record Examination.

Not later than one month in advance of the term in which he seeks admission, each applicant must file with the Secretary of the Graduate Committee, Office of the Registrar, Occidental College, Los Angeles 41, California, a formal application for graduate standing, a letter stating his objectives for graduate work and a report of his scores in required tests. (See page 42.) Applicants from a distance may take the Miller Analogies Test at any of the authorized centers throughout the country; those who can come to the Occidental campus are expected to take the test on regularly scheduled dates and to pay a test fee of three dollars. Students taking the Graduate Record Examination should make arrangements directly with the nearest Educational Testing Service office to forward their test scores.

Each applicant not previously registered at Occidental College as a degree candidate is expected to file the following credentials with his application for graduate standing: official transcripts of all academic work (two copies of each if applying for a teaching credential); letters of recommendation from three persons including, if possible, the applicant's undergraduate major adviser; a small photograph and an application fee of fifteen dollars. Application and aptitude test fees are nonrefundable.

In general, the degree of Bachelor of Arts, or equivalent, from a fully accredited college or university is necessary for admission to graduate standing. In exceptional cases persons of outstanding qualifications may be admitted to graduate study without a bachelor's degree. Additional undergraduate courses may be required if the applicant's previous work does not provide an adequate background for the field in which he wishes to pursue graduate study.

Admission to graduate standing does not in itself establish candidacy for an advanced degree or for a teaching credential, requirements for which are outlined in this section of the catalogue. A separate application for approval of candidacy for the degree of Master of Arts or Doctor of Philosophy or for the standard teaching credentials shall be filed not later than two months prior to the opening of the term in which the applicant proposes to complete course requirements. Forms providing for all necessary details may be obtained from the Registrar or, in the case of credential applicants, from the Department of Education.

DEGREE OF MASTER OF ARTS

During the academic year 1966-67, candidates for the degree of Master of Arts may be accepted only in the departments of Biology, Education, English and Comparative Literature, French, German, History, Music, Political Science, Psychology, Spanish, Speech-Drama and in the interdepartmental Chevalier Program in Diplomacy and World Affairs. Credit may be allowed

GRADUATE STUDY

also toward the advanced degree for certain courses numbered 200 and above from other departments. No credit will be granted toward this degree, however, for courses completed before the student received the degree of Bachelor of Arts.

An applicant may be admitted into candidacy for the Master of Arts degree when he has satisfied each of the following requirements:

1. A thoroughly satisfactory record in his undergraduate course as a whole and high academic achievement in advanced and graduate courses in his major.

2. Demonstration of fitness to carry on graduate work by passing a qualifying examination given at the option of the major department.

3. Presentation of an acceptable plan of study including a minimum of six to seven courses of graduate level, according to the student's chosen plan. One-half of the graduate program shall be completed in courses numbered 300 or above. Three alternative plans are offered:

- (a) The Thesis Plan, requiring the preparation of an original dissertation, credited as one course, and the completion of a minimum of five additional courses.

- (b) The Creative Work Plan, requiring the completion of an original work requiring high aesthetic or inventive imagination, such as a musical composition, a novel, or a piece of scientific equipment, which is credited as one course, and the completion of five additional courses.

- (c) The Seminar Plan, requiring the completion of a minimum of seven courses including not less than three courses of research or seminar type in which significant investigations shall be completed and reported.

PLAN OF STUDY

At the time of acceptance into graduate standing an applicant who has indicated that his objective is the attainment of the degree of Master of Arts is given an outline of general instructions. His plan of study shall be prepared with the recommendation of a supervising committee. The chairman of this committee shall be the student's major adviser and the committee shall include at least one member from a department other than the student's major department.

Two months prior to the opening of the term in which a candidate proposes to complete requirements for the degree of Master of Arts he shall file with the Graduate Committee three copies of an application in candidacy for the M.A. degree. Forms may be obtained from the office of the Registrar, who serves as Secretary of the Graduate Committee, and are to be returned to that office when completed. The application is to be signed by all members of the

supervising committee and shall include (1) report concerning the qualifying examination or excuse therefrom; (2) report concerning foreign language ability, if required by major department; (3) an outline of course work acceptable as background for graduate study; (4) a detailed program of graduate work; and (5) either (a) a listing of specific seminar or research reports and the date on which each is to be presented, or (b) the thesis topic and proposed approach or (c) a statement of proposed creative work. The student will be notified by the Graduate Committee of action on his application for degree candidacy. If approved, no subsequent change in his plan of study may be made except with the written approval of both the supervising committee and the Graduate Committee.

Course work may be distributed according to whatever plan may best meet the needs of each individual student, provided all work required for the degree shall be completed within a period of five calendar years. Not less than one-half of the work shall be completed in the student's major department; the remainder may be chosen either from courses in the major department or from related work in other departments to form a consistent plan.

Summer Term work at Occidental College is acceptable toward the degree of Master of Arts provided the applicant's entire plan of study has the approval of his supervising committee and of the Graduate Committee and provided all work is completed within five years.

FINAL APPROVAL

The degree of Master of Arts is conferred upon candidates formally recommended by the faculty on the basis of approval by (a) the candidate's supervising committee, (b) the Dean of the Faculty, and (c) the Graduate Committee. Such approval is based upon satisfaction of the following requirements:

1. The completion within not more than five calendar years of the approved plan of study, with a B average in all graduate work undertaken at Occidental College and a B average in all graduate work in the major department.

2. The satisfactory completion of (a) a thesis, or (b) creative work, or (c) three seminar papers. The material shall be presented to the Dean of the Faculty not later than four weeks before the date of Commencement in approved form as specified in instructions issued to degree candidates at the time of approval of candidacy and shall include approval by the members of the supervising committee.

3. The passing of a final examination demonstrating a thorough grasp of the candidate's field of emphasis. In cases where the program is highly specialized, the Graduate Committee may require that the final examination cover a broader field than that represented by research and/or thesis. A member of the Graduate Committee will be present at the candidate's oral examination.

GRADUATE STUDY

4. Presentation to the Graduate Committee not later than four weeks before the date of Commencement of an application for final approval of candidacy for the degree of Master of Arts, including signed recommendations from the members of the supervising committee and the Graduate Committee examiner.

5. In the case of candidates under the Thesis Plan, deposit with the Dean of the Faculty not later than four weeks before the date of Commencement of a receipt from the College Librarian showing payment of a \$10.00 fee for binding the original typewritten copy of the thesis plus the cost of a microfilmed second copy. This receipt is to be presented with the approved thesis.

INTERCOLLEGIATE PROGRAM OF GRADUATE STUDIES IN THE HUMANITIES AND SOCIAL STUDIES

Occidental College is one of a group of seven private liberal arts colleges in Southern California cooperating in an Intercollegiate Program of Graduate Studies originally developed under a grant from the Fund for the Advancement of Education. The other institutions joined in this program are The Claremont Graduate School and University Center (through which Claremont Men's College, Pomona College and Scripps College participate), the University of Redlands and Whittier College.

The central purpose of the program is the improved preparation of college and university teachers. Its aim is to increase the breadth of view and competence of scholars within given academic disciplines through enlarging their background and interests. At Occidental College, studies leading to the degrees of Master of Arts and Doctor of Philosophy may be undertaken in Comparative Literature and Anglo-American Literature; in addition, studies in History leading to the Master's degree may be undertaken through this program.

Since degrees are granted by the participating colleges rather than by the Intercollegiate Program as such, each student must choose the institution in which he wishes to enroll, although he may take part of his work at the other participating institutions. Thus, an applicant for admission should apply for regular graduate standing at the college at which he wishes to enroll and also for acceptance into the Intercollegiate Program of Graduate Studies. Dr. Basil Busacca, of the Department of English and Comparative Literature at Occidental College, is a member of the Educational Council, Intercollegiate Program of Graduate Studies. Inquiries concerning the program may be addressed to him or to any of the cooperating institutions.

Scholarships ranging up to \$1,800.00 per year plus tuition are available from a sum of money set aside for the purpose of grants to students pursuing graduate study under the Intercollegiate Program of Graduate Studies. These are awarded on a competitive basis to candidates who intend to continue their

graduate studies to the completion of the doctoral degree with college teaching as their aim.

Each student accepted into the Intercollegiate Program of Graduate Studies may enroll for one of the intersubject seminars described on page 86. The remainder of this program each term will be chosen in consultation with his major adviser and the institution through which he is enrolled.

DEGREE OF DOCTOR OF PHILOSOPHY

During the academic year 1966-67 candidates for the degree of Doctor of Philosophy may be accepted only in Comparative Literature and Anglo-American Literature. See pages 81-82 for requirements in this department.

Time and Residence Requirements: A minimum of fifteen courses during three full years of study and research beyond the baccalaureate degree. In general, not more than the equivalent of one full year of study may be transferred from another institution toward the three year requirement. A year's work shall be regarded as six courses of graduate level or equivalent. A minimum of one year of *full-time* graduate study must be completed at Occidental College.

Degree Program: As early as possible, preferably at the end of the first term of graduate study, the student must file a *Graduate Record Statement* giving full details of previous work to be evaluated for transfer credit with supporting transcripts and as complete an outline as possible of all work proposed towards the formal requirements for the Ph.D., including probable dates of completion.

Language Requirements: Reading proficiency in two foreign languages is required. Ordinarily these will be French and German, but under certain circumstances a substitution for either French or German may be made at the discretion of the chairman of the major department. Proficiency must be certified by the Department of Languages and Linguistics at Occidental. The language requirements must be completed by the end of the first year of graduate study and earlier if possible.

Advancement to Candidacy: Before admission to candidacy a student must complete all preliminary examinations, both written and oral, as specified by his supervising committee and must have established his competency in foreign languages. In addition, his dissertation topic must be approved by the Graduate Committee at Occidental College. Ordinarily, a minimum period of three terms of study must intervene between the advancement to candidacy and the date of the final examination. The term during which candidacy is established will be counted as a full term within this requirement, provided that the student is in full residence and the advancement to candidacy occurs by the middle of the term. Candidacy, when approved, is valid

GRADUATE STUDY

for five years and may be renewed only by submission and approval of a new application.

Dissertation: Required of every candidate. The dissertation must be approved by the supervising committee prior to submission for approval by the Graduate Committee. The final approval must be obtained from both bodies not later than May 1st of the year in which the degree is to be awarded.

Final Examination: The nature and form of the final examination shall be determined by the supervising committee. In general, the final examination shall be a defense of the dissertation. The examining committee shall consist of at least one member from the Educational Council of the Intercollegiate Program of Graduate Studies and one member from the Graduate Committee. The results of the examination shall be presented to the Graduate Committee not later than May 15th of the year in which the degree is to be awarded.

STANDARD TEACHING CREDENTIALS WITH SPECIALIZATION IN ELEMENTARY, SECONDARY, OR JUNIOR COLLEGE TEACHING

An applicant may be admitted into candidacy for the standard teaching credential when he has satisfied each of the following requirements:

1. A thoroughly satisfactory record in his undergraduate course and high academic achievement in courses from the departments chosen for the teaching major and minor.

2. Approval of proposed courses by the chairman of the Department of Education and the chairmen of the student's major and minor departments. The list of courses shall be presented in the application to the Department of Education after consultation with that department and with advisers in the teaching major and minor departments. Undergraduates at Occidental College who plan to take graduate work for teaching credentials should file their applications no later than May 1 of the sophomore year. After the list of courses has been approved it may be changed only with the permission of those who recommended candidacy.

3. Attainment of a B average in the entire program of graduate work.

A summary of professional requirements for the standard teaching credentials will be found in this catalogue under the statement of the Department of Education.

The attention of graduate students is called to the fact that it is not possible to complete requirements for both the teaching credential and the advanced degree within three terms.

LIBRARY

TYRUS G. HARMSSEN, *College Librarian*
RUTH A. DIVELEY, *Acquisitions Librarian*
BARBARA V. MYERS, *Catalogue Librarian*
PIETER DEKKERS, *Assistant Catalogue Librarian*
RAYMA ROUNDS, *Assistant Catalogue Librarian*
JOHN SAEGER, *Reference Librarian*
ELENA PANAJOTOVIC, *Assistant Reference Librarian*

Facing the central quadrangle is the Mary Norton Clapp Library. Within this building, gift of the Clapp family, are housed most of the library's 190,000 catalogued volumes, approximately 25,000 government documents, and 20,000 periodicals which have been carefully selected over the years to provide the intellectual foundation for the serious student of the liberal arts and sciences. Available to Occidental faculty and students are basic reference and bibliographical tools necessary for an academic library; working materials for the various departments of instruction; and many books which have come to be looked upon as classics, representing men's highest thoughts, past and present, in things of the mind and spirit. In the open book stacks a student has access to this great heritage of knowledge and literature. While outwardly the library maintains a scholarly atmosphere of quiet, to the inward mind it can thus be a place of great excitement, a realm for the inquiring mind to explore.

In the library building there are reading rooms adapted to serve various purposes—reference, current periodicals, browsing, reserve, documents, and graduate study. Other special quarters are provided for microfilm readers, typing, seminars, and conferences. One of the most notable features of the library is the Braun Fine Book Room which houses the Carl F Braun collection. Its design is based on an English eighteenth-century residential library and along its walnut-paneled walls are choice books in the fields of art, literature, history, and travel; old and rare books; and modern examples of fine printing. This beautiful room, given in memory of Carl F Braun by his family, also serves admirably for talks about books and occasional poetry readings by visiting lecturers such as Mark Van Doren and Robert Frost in recent years.

There are five floors of open stacks with individual carrells on each level. The Periodicals Division is located on the ground floor and the Documents Division on the second floor. The library is a selective depository for California and United States publications and subscribes to United Nations materi-

LIBRARY

als as issued. In the foyer special book exhibitions are regularly featured; also located there is a sale shelf for duplicates.

Belief by the college in the importance of a strongly centralized library means that most books are housed in the Clapp Library. However, where working collections are required in close proximity to laboratories, as in the sciences, some departmental libraries are therefore located in Fowler and Norris Halls. The Chemistry, Physics, and Geology departments have relatively extensive holdings, while the Mathematics and Biology departments have smaller but essential collections in their respective areas. Musical scores and some music reference books are in the Music-Speech center. All these materials are represented in the library's main catalogue. The collection on Ornithology, which forms part of the Moore Laboratory, is kept in that building.

An endeavor is made to emphasize to students the place of books in the life of an educated person. Here a student is strongly encouraged to use the Cumberland Browsing Room or to browse in the stacks, and, in the process, to learn vicariously as well as through regular classroom assignments. For leisure reading, some residence halls have informal book collections. The ownership of books is promoted through a Student Book Collection Contest, and the college book store is well stocked with current paperback editions.

A trained and experienced staff serves the needs of students and faculty in using library resources. Emphasis is placed upon the student learning to help himself in the use of the catalogue, indexes, bibliographies, and other available guides. Interlibrary loan privileges are possible for honors and graduate students, and the location of the college permits a student to consult large research libraries in the area. Under the 3-3 Program, a student is expected to do considerable independent reading on his own initiative.

While rules are kept to a minimum, all persons to whom library privileges are extended are expected to govern themselves honorably in the handling of library materials. Infractions are dealt with through the Honor Court and the administrative offices of the college.

The Student Library Committee serves as a liaison body between students and administration in library affairs and each year student assistants are engaged for work in the library, some of whom are considering librarianship as a career.

At present the library is growing at a rate of about six thousand volumes a year, and subscribes to more than nine hundred periodicals and newspapers. Endowment funds for book purchases now amount to a principal sum of \$147,370. (For a list of these, see page 51.)

The library has received and continues to receive many important and valuable gifts of books and collections from generous donors and to all of them the college is grateful. Space does not allow any extensive listing but mention should be made of special grants received in the past from the Carnegie Cor-

poration and the Rockefeller Foundation. Of particular importance to the library has been the Emma B. Norton Endowment and the support of Willis H. Booth and the Booth Ferris Foundation for the Booth Collection in Economics and the Social Sciences. Noteworthy among special collections are the following: Robinson Jeffers (Class of 1905)—first editions, letters, manuscripts and critical writings about this distinguished American poet; E. T. Guymon, Jr., Collection of Detective and Mystery Fiction; Earle V. Weller Collection of Romantic Literature—an extensive group of books by and about Keats and his circle; Elmer Belt Collection of Upton Sinclair—first editions and foreign translations; imprints of the Ward Ritchie Press; the F. Ray Risdon Lincoln Collection, containing over 3,000 books and 1,500 pamphlets; the John K. Northrop-Richard W. Millar Aviation Collection; the Robert Glass Cleland Collection on Latin America; a small but important collection of William Jennings Bryan's papers; the Max Hayward Collection of Californiana; the Edwin W. Pauley-Charles B. Voorhis Collection of Western Americana, containing rare overland travels; the William B. Pettus Collection of Chinese paintings; and an Occidentalia Collection.

LIBRARY ENDOWMENT FUNDS FOR BOOK PURCHASES

<i>Name and Purpose</i>	<i>Principal</i>
George F. Cook (English and American Literature)	\$ 602.85
William W. Cumberland '12 (Browsing Room)	8,106.25
Emma Frances Lane Drummond (English Literature)	2,600.00
Mary Lou Fife '50 (Southeast Asia)	1,066.00
David B. & Mary H. Gamble (Library Books and Periodicals)	55,000.00
Osgood Hardy (History)	2,000.00
Library Patrons (Library Books)	727.50
McAlister Endowment Fund for American Studies	
(from the Estate of Amelie McAlister Upshur)	50,000.00
Carrie B. Michelson (Library Books)	14,881.76
Orra Eugene Monnette (Classical Literature)	500.00
William S. Stevenson (Social Sciences)	1,267.78
Charles Stimson (Philosophy and Religion)	10,000.00
Lucinda Snider (Orr Hall)	618.00

COURSES OF INSTRUCTION

The departments offering instruction at Occidental College are arranged into three divisions, each of which has a chairman. The grouping of departments within these divisions is as follows: I. HUMANITIES AND FINE ARTS: Art, English and Comparative Literature, Languages and Linguistics, Music, Philosophy and Religion, Speech and Drama; II. SOCIAL SCIENCES: Aerospace Studies, Diplomacy and World Affairs, Economics, Education, History, Physical Education, Political Science, Psychology, Sociology and Anthropology; III. NATURAL SCIENCES AND MATHEMATICS: Biology, Chemistry, Geology, Mathematics, Physics. The courses of instruction offered within these groups are listed on the following pages alphabetically according to departments. Certain interdepartmental courses also are outlined.

The work of the Occidental College curriculum is measured in terms of courses. The number of class meetings and their length, within an established schedule, is determined by individual departments. Course descriptions include information concerning laboratory work.

Courses numbered 1-49 are considered basic or introductory courses, those numbered 50-99 are intermediate level courses, and those numbered 100-199 are advanced courses intended primarily for third and fourth year students. Where courses are doubled-listed under 100 and 200 numbers, undergraduates are expected to register for the 100 numbers and graduates for the 200 numbers. Additional work will be specified by instructors for those who register for 200 courses.

Courses numbered 300 and 400 are limited to graduate students only.

Course numbers preceded by X indicate fractional courses for which no credit may be given until the equivalent of one course has been accumulated within a single department or in related fields. (See page 35.)

Changes in course offerings and in faculty occurring after publication of the catalogue for 1966-67 will be announced prior to the opening of each term.

Course offerings and schedules for the summer term are announced in a separate bulletin published each year in April.

Any undergraduate course for which fewer than ten students are enrolled at the beginning of a term may be withdrawn.

OCCIDENTAL COLLEGE HONORS PROGRAM

HONORS COUNCIL

ASSOCIATE PROFESSOR SEGALL, *Chairman (of the Department of Physics)*

PROFESSOR BOLLMAN *(of the Department of Physics and Dean of the Faculty)*

PROFESSOR RYF *(of the Department of English and Comparative Literature)*

PROFESSOR COLE *(of the Department of Psychology)*

ASSOCIATE PROFESSOR OWEN *(of the Department of English
and Comparative Literature)*

ASSOCIATE PROFESSOR WINTER *(Chairman, History of Civilization)*

The Occidental College Honors Program seeks to attain depth as well as breadth of understanding and emphasizes flexibility, with an optimum degree of individualization. There are two aspects of the program: College Honors and Departmental Honors.

COLLEGE HONORS: This program is administered by the Honors Council, the members of which are listed above. It is interdisciplinary in nature, and consists of an Honors Seminar and independent research projects carried out under the supervision of Honors Counselors. Theses will be presented covering the results of such research. Successful completion of the seminar and thesis will qualify a student for candidacy for College Honors at graduation; actual award of College Honors, however, will depend also upon the quality of the student's general academic performance and upon evidence, in his choice of elective courses outside his major division, of a sustained interest in interdisciplinary studies.

Admission to the College Honors Program takes place at the beginning of the junior year, in part on the basis of a qualifying examination to be taken by potential Honors candidates at the end of the sophomore year. Any member of the faculty may serve as an Honors Counselor. The student chooses his Counselor after consultation with the Chairman of the Honors Council.

Students interested in the College Honors Program should make known their interest to the Honors Council as early as possible in their college career, so that individual guidance and counseling may be provided.

For further details of the program, consult the Chairman of the Honors Council.

HONORS PROGRAM

191. HONORS SEMINAR: MAN IN SOCIETY.

Fall Segall and Spencer*: Wed. 7:00-10:00 p.m. Swan 308

199. HONORS THESIS.

Fall Honors Counselors Fowler 222

DEPARTMENTAL HONORS: The nature of these programs varies from department to department. They may require an examination on a special reading list, an honors thesis, a series of departmental seminars and independent research projects, or any combination of these. Departmental Honors Programs are presently available in the Departments of Biology, Chemistry, Economics, English and Comparative Literature, Languages and Linguistics, History, Music, Physics, Political Science, Psychology, Sociology and Anthropology, and Speech and Drama. An Honors Program is offered also for students who choose the interdepartmental major in Diplomacy and World Affairs. Interested students should consult the chairman of the department concerned for details.

*Of the Department of Art.

CHEVALIER PROGRAM IN DIPLOMACY AND WORLD AFFAIRS

ADVISORY COMMITTEE

PROFESSOR MILL, *Chairman (Chevalier Professor of Diplomacy and World Affairs)*

PROFESSOR BENTON *(of the Department of Languages and Linguistics)*

PROFESSOR DOSTERT *(of the Department of Languages and Linguistics)*

ASSOCIATE PROFESSOR HARING *(of the Department of Economics)*

PROFESSOR KROEBER *(of the Department of History)*

PROFESSOR MCKELVEY *(of the Department of Political Science)*

PROFESSOR OLIVER *(of the Department of English and Comparative Literature)*

PROFESSOR REATH *(of the Department of Political Science)*

PROFESSOR RODES *(of the Department of History)*

PROFESSOR ROLLE *(of the Department of History)*

The Chevalier interdepartmental major in Diplomacy and World Affairs provides an opportunity for young men and women to prepare for a wide variety of careers in the field of foreign affairs. These careers may include service with the Department of State and the Foreign Service, the United States Information Agency (USIA), the Agency for International Development (AID), and other U.S. Government offices, or may lead to service with the United Nations or one of its affiliated agencies. Students also may wish to prepare themselves for work in international economics or business, or may look forward to graduate study and an academic career.

Recognition is given to the fact that the study and practice of international relations today involves knowledge cutting across several disciplines, particularly in the social sciences but not limited to them. At Occidental, the Departments of Economics, History, Political Science, Psychology, and Sociology-Anthropology, along with Languages and Linguistics, English and Comparative Literature as well as Philosophy and Religion contribute to the Chevalier Program on an interdepartmental basis.

The Chevalier Program was established in 1957 by Mrs. Stuart Chevalier to honor the memory of her husband, the late Stuart Chevalier, a distinguished lawyer and pioneer leader in behalf of the United Nations, who for

CHEVALIER PROGRAM

nineteen years was a member of the Board of Trustees of Occidental College. The Program has been further strengthened through the contributions of other donors.

MAJOR: (An interdepartmental major in place of a departmental major.) Twelve courses, including Political Science 50 and 110; Economics 1 and 2; History 104; Anthropology 101; English 32, or equivalent; two terms of a foreign language at an advanced level (100 courses), or equivalent.

The remaining courses are to be selected, in consultation with assigned advisers, to meet the needs of individual students. Here students are given the opportunity to emphasize a particular field or region. Lists of courses for each emphasis may be obtained from the Chairman of the Program. One of the following choices may be selected:

- A. Political Studies
- B. Economic Studies
- C. Cultural Studies
- D. Regional Studies
 - 1. Asia
 - 2. Latin America
 - 3. Europe

HONORS: Qualified majors may achieve Departmental Honors at graduation through completion of a program including independent research and a senior thesis. Consult the Program Chairman concerning details.

COMBINED PLAN PROGRAM IN LIBERAL ARTS AND ENGINEERING

ADVISER FOR PHYSICAL SEQUENCE

ASSOCIATE PROFESSOR HUDSON (*of the Department of Physics*)

ADVISER FOR CHEMICAL SEQUENCE

ASSOCIATE PROFESSOR CLELAND (*of the Department of Chemistry*)

Occidental College cooperates with the School of Engineering of Columbia University and with the California Institute of Technology in two five-year programs of engineering education based on a broad foundation of liberal arts.

These Combined Plans provide the student with an excellent liberal arts program plus assured entrance into either of two of the outstanding engineering schools in the nation. The programs are designed specifically for the superior student.

The Combined Plan Programs provide for three years of work in the liberal arts and sciences at Occidental College followed by two years of regular session work at the California Institute of Technology, or by two years of regular session work in the School of Engineering of Columbia University preceded by a summer session of five to eleven weeks at Camp Columbia, Lakeside, Connecticut. The five-year combined program leads to the degree of Bachelor of Arts from Occidental College and the degree of Bachelor of Science in the selected field of engineering from either Columbia University or the California Institute of Technology. It is necessary that students entering the program shall have completed at least two years of high school algebra and one semester of trigonometry. Three years of a foreign language are desirable, preferably German or Russian.

The program with Columbia University is open to both men and women. The program with the California Institute of Technology is for men only. Students in the program are guaranteed entrance into the engineering schools upon recommendation of the college after satisfactorily completing the three years of study at Occidental. Recommendation usually is given to those students who maintain a B average, or higher, in science and mathematics and an over-all B average, or higher, in all courses. Students wishing to enter this program should apply directly to Occidental College.

The program of studies for the first three years consists of all of the re-

COMBINED PLAN PROGRAM

quired courses leading to the degree of Bachelor of Arts as outlined on pages 35-39 and in addition certain courses listed below under Major.

COURSE REQUIREMENTS FOR THE COMBINED PLAN

MAJOR: *For the Physical Sequence* (preparing for entrance into the California Institute of Technology for additional work toward the degree of Bachelor of Science in Engineering, or into the School of Engineering of Columbia University for additional work toward the degree of Bachelor of Science in Civil, Electrical, Industrial, Mechanical, Metallurgical, Mineral or Mining Engineering, or a selection of majors in Applied Science including Nuclear Science, Engineering Geology, Flight Sciences, and others): Chemistry 1, 2; Mathematics 21, 22, 23, 51, 111, 112, 115; Physics 11, 12, 13, 110; and additional courses chosen in consultation with the major adviser.

MAJOR: *For the Chemical Sequence* (preparing for entrance into either engineering school for additional work toward the degree of Bachelor of Science in Chemical Engineering): Chemistry 1, 2, 3; Mathematics 21, 22, 23, 51, 111; Physics 11, 12, 13, 110; and additional courses chosen in consultation with the major adviser. The additional courses must include Mathematics 115 for students who wish to attend the California Institute of Technology.

The Occidental College comprehensive examination is waived for Combined Plan students.

Full information concerning the details of the five-year programs should be obtained from the Director of Admission or the Registrar, Occidental College.

INTERNATIONAL STUDIES

PROFESSOR BENTON (*of the Department of Languages and Linguistics*),
Chairman of the Committee on International Study Programs

COMMITTEE MEMBERS

ASSISTANT PROFESSOR FREY (*of the Department of Languages and Linguistics*)

ASSOCIATE PROFESSOR HANSEN (*of the Department of Art*)

ASSOCIATE PROFESSOR NELSON (*of the Department of Physics*)

ASSOCIATE PROFESSOR OWEN (*of the Department of English and Comparative Literature*)

PROFESSOR RYF (*of the Department of English and Comparative Literature*)

OCCIDENTAL INTERNATIONAL FELLOWSHIPS. Under the Occidental International Fellowship Program a limited number of juniors or seniors are selected each year for six months' study abroad. This study may be independent research or work of a creative nature, provided such work either fits into the student's major program or can be arranged for within his electives. Such research or creative work may be performed any place in the world, outside the United States, during the summer and one term (either Fall or Spring). All work in connection with an individual project must be completed within the first term of the student's return to Occidental College. Any major is eligible for consideration. Two courses of credit may be established.

Preliminary applications for 1967 fellowships must be filed before May 7, 1966. Ordinarily United States citizenship is a requirement for consideration. Recipients of the fellowships will be expected to fulfill their financial and moral obligation to return to Occidental College at the time planned for them individually. Should they fail to do so, they will be expected to refund the full amount of the fellowships.

Further information may be obtained from the Chairman of the Committee on International Study Programs. Students accepted in the program register at Occidental College for the following courses in International Studies:

101. INTERNATIONAL STUDIES I.

<i>Fall</i>	The Staff	Arrange	Johnson 20B
<i>Spring</i>	The Staff	Arrange	Johnson 20B

102. INTERNATIONAL STUDIES II.

<i>Fall</i>	The Staff	Arrange	Johnson 20B
<i>Spring</i>	The Staff	Arrange	Johnson 20B

EUROPEAN HISTORY STUDY TOUR: Each summer, a member of the Occidental College faculty conducts an Occidental European History Study Tour. Credit of one course may be earned in the Summer Term through studies undertaken in conjunction with this tour. These studies usually center around current topics of international or national significance in Europe.

PREMEDICAL AND PREDENTAL PROGRAMS

ASSOCIATE PROFESSOR McANALLY (*of the Department of Chemistry*),
Chairman of the Premedical Advisory Committee

COMMITTEE MEMBERS

PROFESSOR BARNES (*of the Department of Mathematics*)

PROFESSOR COLE (*of the Department of Psychology*)

ASSISTANT PROFESSOR ELLIOTT (*of the Department of Physics*)

PROFESSOR LAMBERT (*of the Department of Chemistry*)

ASSOCIATE PROFESSOR WELLS (*of the Department of Biology*)

It is recognized by leading medical educators that a genuine liberal arts curriculum provides the most suitable undergraduate premedical background. Completion of the courses required of all students at Occidental College provides desired breadth of training and intellectual skills.

In addition, a student planning to enter medicine or dentistry must take, beginning if possible in the freshman year, the series of courses which will qualify him for admission to the professional school of his preference. Specific course requirements of the majority of medical and dental schools may be met by completion of Biology 1, 105, 110 and 125; Chemistry 1, 2, 3, 51, and 52; Mathematics 21; and Physics 21 and 22. Students are invited to discuss requirements of specific medical and dental schools with the Chairman of the Premedical Advisory Committee.

The preprofessional courses are available within the framework of a number of academic majors at Occidental College. The Chairman of the Premedical Advisory Committee will assist the student in selection of a major department offering a program consistent with his interests and professional goals.

Full information concerning any aspect of the programs for premedical and predental students may be obtained from the Registrar or from the Chairman of the Premedical Advisory Committee.

AEROSPACE STUDIES

LT. COL. LONG, *Professor*

CAPTAIN CONRAN, *Assistant Professor*

Non-Commissioned Officers: STAFF SERGEANT SINGLETON,

STAFF SERGEANT GREENE

The Occidental College unit of the Air Force Reserve Training Corps (AFROTC) was established on the campus at the beginning of the 1951-52 academic year.

It consists of a two-year program under which the students concentrate on college requirements during their freshman and sophomore years. Then, in the summer between their sophomore and junior years, they attend a six-week training course which is conducted at one of the various Air Force bases in the continental United States. Once they successfully complete this camp they are eligible to apply for enrollment in the Advanced AFROTC program. During their junior and senior years they will attend classes in Aerospace Studies three hours per week.

The educational philosophy and subject matter of the AFROTC program are directed toward the preparation of students for management positions in a rapidly changing Air Force organization. Students who successfully complete baccalaureate degree requirements and the aerospace studies will be commissioned Second Lieutenants in the United States Air Force in positions for which their education and training have qualified them.

Textbooks and other necessary equipment will be furnished by the Air Force for use of students in the Aerospace Studies Department and while at summer training. In addition, two-year AFROTC cadets receive \$400 per year subsistence allowance during their junior and senior years. Pay of \$88 per month and reimbursement for travel is paid for the summer training.

Senior cadets, if physically qualified, may enroll in the Flight Training program. This training consists of 36½ hours flying training at government expense. Successful completion qualifies the student for a private pilot's license and for Air Force pilot training.

Students are encouraged to consult the Aerospace Studies Department for further information.

131. FIRST YEAR ADVANCED—GROWTH AND DEVELOPMENT OF AEROSPACE POWER. The nature of war, development of air power in the United States; mission and

AEROSPACE STUDIES

organization of the Defense Department; Air Force concepts, doctrine, and employment; astronautics and space operations; the future development of aerospace power. *See footnote below.*

Each Term Conran Mon.-Wed.-Thurs. 3:25-4:25 p.m. ROTC 2

141. SECOND YEAR ADVANCED—THE PROFESSIONAL OFFICER. The meaning of professionalism, professional responsibilities, the military justice system; leadership theory, functions, and practices; management principles and functions; problem solving; management tools, practices, and controls. *See footnote below.*

Each Term Long Mon.-Thurs.-Fri. 3:25-4:25 p.m. ROTC 1

NOTE: Aerospace Studies 131 and 141 are continuous throughout the year. A student may enroll for credit of one course in any term, but the final grade is withheld until the entire year's work has been completed.

ART

ASSOCIATE PROFESSOR SPENCER, *Acting Chairman*

PROFESSOR PERKINS

ASSOCIATE PROFESSOR HANSEN

MR. KITE, *Instructor*

By Special Appointment: MR. BAKER, MR. JARVAISE

The purpose of the Department of Art is to stimulate creative ability and to develop an understanding and appreciation of the fine arts of architecture, sculpture and painting as essential elements in a liberal arts education. It provides two approaches to art—the historical and the creative. The curricular work is designed to meet the needs of three types of students: those who desire an intelligent knowledge and understanding of art as part of their cultural life, those who wish to practice art as an avocational pursuit, and those who intend to make art their profession after completion of their college course. The art curriculum is designed to prepare the student for advanced study in art history and criticism, museum work, painting, sculpture, printmaking, and in the various fields of applied design.

MAJOR: Eleven courses from this department chosen in consultation with the major adviser. Two options are offered:

Concentration in the History of Art: Art 1, any three additional studio courses, Art 106 or 107 and 116 or 117, any five additional art history or theory courses.

Concentration in Creative Art: Art 1, any six additional studio courses, any four art history or theory courses.

Comprehensive examinations are based on knowledge of the entire field of art history and upon creative fields chosen by the student. For further information, consult the major adviser.

1. FORM AND COLOR. Color analysis, elementary two- and three-dimensional design, and the representation of objects in space; a variety of black-and-white and color media.

Fall	Hansen	1:15-3:20 p.m.	Art 6
Winter	Hansen	3:25-5:30 p.m.	Art 6

2. DRAWING AND PAINTING I. Elementary problems in watercolor and oil and a variety of black-and-white and color media.

Fall	Hansen	3:25-5:30 p.m.	Art 5
Winter	Hansen	1:15-3:20 p.m.	Art 5
Spring	Jarvaise	1:15-3:20 p.m.	Art 4

ART

3. SCULPTURE I. Modeling, carving, and construction. Problems in clay, plaster, wood, stone, and metal.

Fall Baker 3:25-5:30 p.m. Art Studio 4

Winter Baker 3:25-5:30 p.m. Art Studio 4

4. LIFE STUDY. Drawing and painting from the human figure, with comparative study of animal and plant structure.

Spring Hansen 1:15-3:20 p.m. Art 5

13. THREE-DIMENSIONAL DESIGN. Elements and principles of three-dimensional form with emphasis on structure, composition and the expressive potential of materials. Projects in mechanical structure, motion, solid form, and light.

Spring Baker 3:25-5:30 p.m. Art Studio 4

52. DRAWING AND PAINTING II. Problems in watercolor and oil and a variety of black-and-white and color media. Emphasis on individual problems, and experiments in such related media as casein, egg, lacquer, collage, etc. *Prerequisite: Art 2.*

Fall Hansen 3:25-5:30 p.m. Art 5

Winter Hansen 1:15-3:20 p.m. Art 5

Spring Jarvaise 1:15-3:20 p.m. Art 4

53. SCULPTURE II. Continued study of modeling, carving, and construction. Problems in clay, plaster, wood, stone, and metal. *Prerequisite: Art 3.*

Fall Baker 3:25-5:30 p.m. Art Studio 4

Winter Baker 3:25-5:30 p.m. Art Studio 4

55. GRAPHICS. Printmaking: monotype, lithography, serigraphy, woodcut, etching, drypoint, and engraving. *Prerequisite: Art 1 or Art 2 or Art 4.*

Fall 1:15-3:20 p.m. Art Studio 2

Spring 3:25-5:30 p.m. Art Studio 2

56. DESIGN. Individual projects in commercial design, including the design of textiles and packaging, and advertising and editorial design. *Prerequisite: Art 1 or Art 2.*

Winter 1:15-3:20 p.m. Art 6

75. ART THEORY AND CRITICISM. Discussion of form, content, and subject matter in the historical development of styles in art, and the bases of evaluation.

Fall Perkins 11:05 a.m.-12:20 p.m. Art 7

100-200. ADVANCED STUDIO I. Individual problems in all media. *Prerequisite: Three courses from the following: Art 1 through Art 56.*

Spring Hansen 3:25-5:30 p.m. Art 5

102. ANCIENT ART. The art of Egypt, Mesopotamia, Greece, and Rome.

Fall Spencer 10:00-11:00 a.m. Art 7

103. THE MIDDLE AGES. Early Christian, Byzantine, Carolingian, Romanesque and Gothic art.

Winter Spencer 11:05 a.m.-12:20 p.m. Art 7

104. THE RENAISSANCE. The art of Italy and the North from the 14th Century through the 16th Century.

Fall Spencer Not given in 1966-67.

105. THE 17TH AND 18TH CENTURIES. Developments in Italy, Spain, The Lowlands, France, and England.

Winter Spencer Not given in 1966-67.

106-206. THE 19TH CENTURY. European and American art.

Spring Spencer Not given in 1966-67.

107-207. THE 20TH CENTURY. European and American art.

Winter Perkins 8:50-9:50 a.m. Art 7

Spring Perkins 11:05 a.m.-12:20 p.m. Art 7

110. ADVANCED STUDIO II. Individual problems in all media. *Prerequisite: Art 100.*

Spring Hansen 3:25-5:30 p.m. Art 5

116. SEMINAR IN 19TH CENTURY ART. Problems in selected areas of European and American Art. *Prerequisite: Art 106 or approval of instructor.*

Spring Spencer Thurs. 7:00-10:00 p.m. Art 3

117. SEMINAR IN 20TH CENTURY ART. Problems in selected areas of European and American Art. *Prerequisite: Art 107 or approval of instructor.*

Spring Perkins Not given in 1966-67.

118. ORIENTAL ART I. The arts of the Asian world with emphasis on sculpture and architecture.

Fall Kite 7:45-8:45 a.m. Art 7

119. ORIENTAL ART II. The arts of the Asian world with emphasis on painting.

Winter Kite 10:00-11:00 a.m. Art 7

120. SEMINAR IN ORIENTAL ART. Problems in selected areas of Oriental art. *Prerequisite: Art 118 or 119, or approval of instructor.*

Spring Kite 10:00-11:00 a.m. Art 7

BIOLOGY

PROFESSOR McMENAMIN, *Chairman*

ASSOCIATE PROFESSOR WELLS

ASSOCIATE PROFESSOR STEPHENS

ASSISTANT PROFESSOR HARDY, *Director, Moore Laboratory of Zoology*

Occidental College offers a balanced curriculum in biology encompassing studies of whole organisms; structure and process at the organ, tissue, cellular and molecular levels; and relationships of organisms to each other and to man. Creative application of technical skills to the solution of biological problems is emphasized within biology courses as well as through student participation in research activities and the Departmental Honors program. A majority of graduates with a major in biology elect to take post graduate training toward doctorates of philosophy, medicine or dentistry. Others enter directly into careers in biomedical research or government service. Substantial numbers of biology majors take depth of training in a second discipline such as chemistry, physics, mathematics, geology or education with the intent of becoming biochemists, biophysicists, biometricians, paleontologists or teachers of biology.

MAJOR: Biology 1 and a minimum of eight additional courses in the department to be chosen in consultation with the student's faculty adviser to meet the needs and interests of the student. Students intending to apply to graduate school are advised to take an additional course; Biology 180. General chemistry is required; organic chemistry, mathematics and physics are highly recommended.

The comprehensive examination will be in two parts: 1) a written and oral examination administered by the faculty of the Department of Biology; 2) the Advanced Test in Biology administered by the Educational Testing Service as a part of the Graduate Record Examinations. The student is charged a fee by the Educational Testing Service for this latter examination.

HONORS: Departmental Honors in Biology are awarded at graduation to qualified students for completing readings in one of the following broad fields: cellular biology, comparative physiology, developmental biology, physiological ecology, animal behavior, regulatory biology, systematic biology; and preparation of a thesis reporting the results of independent research on a specific problem within the selected area.

BIOLOGY

GRADUATE STUDY: Graduate study toward the degree of Master of Arts under the thesis plan may be undertaken in biology by properly qualified students. Research facilities are available within the department and in the Moore Laboratory of Zoology. Thesis projects may be elected in any of the fields listed under Honors.

For information concerning Premedical and Predental Programs, see page 60.

1. **GENERAL BIOLOGY.** Unity, diversity and levels of organization in biological systems. Cell biology, homeostasis, biological replication, heredity, ecology and evolution.

<i>Fall</i>	Wells	Lectures: 11:05 a.m.-12:20 p.m. Laboratory: 2:20-5:30 p.m.	Mosher 1
		Section 1: Mon.	Wells Norris 103
		Section 2: Tues.	Wells Norris 103
		Section 3: Wed.	Wells Norris 103
		Section 4: Thurs.	Wells Norris 103

50. HUMAN ANATOMY AND PHYSIOLOGY. Structure and function of vertebrate organ systems, with emphasis on human organology. *Prerequisite:* *Biology 1 and Chemistry 1 or Combined Science 1, 2 and 3.*

Winter Wells Lectures: 11:05 a.m.-12:20 p.m. Norris 103
Wells Laboratory: Tues.-Thurs. 2:20-5:30 p.m. Norris 105

100. COMPARATIVE PLANT BIOLOGY. Morphology, life processes, distribution and evolution of plants. *Prerequisite: Biology 1.*

Fall

.....	Lectures:	8:50-9:50 a.m.	Mosher 2	
.....	Laboratory:	Section 1: Mon.-Wed.	2:20-5:30 p.m.	Norris 106
		Section 2: Tues.-Thurs.	2:20-5:30 p.m.	Norris 106

105. COMPARATIVE ANATOMY OF VERTEBRATES. Gross anatomy of selected vertebrate animals, with emphasis on the evolution of vertebrate organ systems. *Prerequisite: Biology 1.*

Winter

Stephens	Lectures:	1:15-2:15 p.m.	Mosher 1
Stephens	Laboratory:	Section 1: Mon.-Wed. 2:20-5:30 p.m.	Norris 101
		Section 2: Tues.-Thurs. 2:20-5:30 p.m.	Norris 101

110. VERTEBRATE PHYSIOLOGY. Principles of physiology and the function of vertebrate organ systems. *Prerequisite: Biology 105 and Chemistry 1, 2.*

Spring Wells Lectures: 11:05 a.m.-12:20 p.m. Mosher 2
Wells Laboratory: Section 1: Mon.-Wed. 2:20-5:30 p.m. Norris 105
Section 2: Tues.-Thurs. 2:20-5:30 p.m. Norris 105

115. MICROBIOLOGY. The biology of microorganisms, with emphasis on the bacteria. *Prerequisite: Biology 1 and Chemistry 1, 2.*

Fall Lectures: 11:05 a.m.-12:20 p.m. Mosher 2
 Laboratory: Tues.-Thurs. 2:20-4:25 p.m. Norris 112
 and 2 hours Arrange

BIOLOGY

120. INVERTEBRATE BIOLOGY. Structure, function, classification, ecology and evolution of invertebrate animals. *Prerequisite: Biology 1.*

Fall Stephens Lectures: 10:00-11:00 a.m. Mosher 2
 Stephens Laboratory: Section 1: Mon.-Wed. 1:15-4:25 p.m. Norris 101
 Section 2: Tues.-Thurs. 1:15-4:25 p.m. Norris 101

125. DEVELOPMENTAL BIOLOGY. Classical embryology and experimental studies of fertilization, morphogenesis, and the physiology of differentiation in vertebrate animals. *Prerequisite: Biology 1 and Chemistry 1, 2.*

Winter

McMenamin	Lectures:	11:05 a.m.-12:20 p.m.	Mosher 2
McMenamin	Laboratory:	Section 1: Mon.-Wed. 2:20-5:30 p.m.	Norris 103
		Section 2: Tues.-Thurs. 2:20-5:30 p.m.	Norris 103

150-250. CELLULAR BIOLOGY. General histology, histotechniques and selected studies of cells using cytochemical and cell culture techniques. *Prerequisite: Biology 1, Chemistry 1, 2.*

Fall

McMenamin	Lectures: 1:15-2:15 p.m.	Mosher 2
McMenamin	Laboratory: Section 1: Mon.-Wed. 2:20-5:30 p.m.	Norris 105
	Section 2: Tues.-Thurs. 2:20-5:30 p.m.	Norris 105

154-254. GENETICS. Classical and molecular genetics, with laboratory work emphasizing microbial systems. *Prerequisite: Chemistry 52.*

Spring

Lectures: 8:50-9:50 a.m. Mosher 2
Laboratory: Section 1: Mon.-Wed. 2:20-5:30 p.m.
Norris 112
Section 2: Tues.-Thurs. 2:20-5:30 p.m.
Norris 112

155-255. MOLECULAR BIOLOGY. Intermediary metabolism and the physiology of subcellular systems. *Prerequisite: Chemistry 52.*

Winter Lectures: 8:50-9:50 a.m. Norris 110
 Laboratory: Tues.-Thurs. 2:20-5:30 p.m. Norris 112

160-260. BIOLOGY OF THE VERTEBRATES. Classification, distribution, behavior and ecology of the vertebrates, with emphasis on the vertebrate fauna of Southern California. *Prerequisite: Biology 1.*

Spring Stephens Lectures: 1:15-2:15 p.m. Mosher 2
Stephens Laboratory: Wed.-Fri. 2:20-5:30 p.m. Norris 101

165-265. AVIAN BIOLOGY. Anatomy, physiology, phylogeny, behavior, and ecology of birds. *Prerequisite: Biology 1.*

Winter Hardy Lectures: 7:45-8:45 a.m. Moore Lab.
Hardy Laboratory: Fri. 1:15-4:25 p.m. and 2 hours Arrange
Moore Lab.

BIOLOGY

170-270. FUNCTIONAL PLANT ANATOMY. The physiology of flowering plants in relation to their structure and development. *Prerequisite: Biology 1, Chemistry 1, 2. Organic Chemistry recommended.*

Winter Lectures: 10:00-11:00 a.m. Mosher 2
 Laboratory: Tues.-Thurs. 2:20-5:30 p.m. Norris 106

175-275. PLANT TAXONOMY. Identification and collection of plants, with special attention to phylogenetic relationships and distribution of the angiosperms. *Prerequisite: Biology 1.*

Spring Lectures: 11:05 a.m.-12:20 p.m. Mosher 3
 Laboratory: Tues.-Thurs. 1:15-4:25 p.m. Norris 106
 Several Saturday field trips will be substituted
 for scheduled laboratories.

180. SENIOR RESEARCH. Supervised investigation by qualified students, continuous throughout the year. A student may enroll for credit in any term of the senior year, but the final grade is withheld until the entire year's work has been completed. *Prerequisite: Senior standing and permission of the Biology Department.*

Each Term The Staff Arrange Norris 111

199. HONORS. May be taken in final term of the senior year.

Each Term The Staff Arrange Norris 111

301. RESEARCH. Supervised investigation by properly qualified graduate students. The student may not register for more than two courses of Research during any term.

Each Term The Staff Arrange Norris 111

390. THESIS FOR MASTER OF ARTS DEGREE. *Prerequisite: At least 2 courses of Biology 301 and permission of the Biology Department.*

Each Term The Staff Arrange Norris 111

CHEMISTRY

ASSOCIATE PROFESSOR CLELAND, *Chairman*

PROFESSOR BRANTLEY

PROFESSOR LAMBERT

ASSOCIATE PROFESSOR McANALLY

ASSISTANT PROFESSOR DE HAAN

ASSISTANT PROFESSOR AMEY

MR. BARBARIN, *Instructor*

The work of this department includes preparation for research, teaching and chemical engineering. To the student preparing for medicine or related professions, training is offered in the fundamental and applied branches of chemistry which are so basic to them. In addition, chemistry offers to the liberal arts student an appreciation and understanding of the discoveries, methods and place of this subject in our present civilization.

The program for majors also provides for entrance into the School of Engineering of Columbia University and the Applied Chemistry Program of the California Institute of Technology under the Combined Plan Program. Students interested in engineering should consult pages 57-58 for details of this plan.

The Department of Chemistry is approved by the American Chemical Society for the professional training of chemists. Completion in full of the requirements for the major in chemistry admits to full membership in the A.C.S. within a minimum of two years after graduation.

MAJOR: Ten courses from this department: Chemistry 1, 2, 3, 51, 52, 53, 54, 101, 102 and 103. Students planning to attend graduate schools of chemistry are advised to take Chemistry 105 and 108. An alternate pattern for the major is offered for those students who are interested in pursuing a program more definitely oriented toward biological chemistry. This sequence of study includes: Chemistry 1, 2, 3, 51, 52, 53, 101, 103 and 107; Biology 1, 110 and 150. German should be chosen to fulfill the college requirement in a foreign language. Courses in mathematics and physics are required as indicated by stated prerequisites for certain courses in this department.

Details concerning the required comprehensive examination in this department may be obtained from the major adviser. In the case of the alternate program described above, the comprehensive examination will cover the specified courses in biology and chemistry.

An outline of the four-year program for majors in this department may be obtained from either the Registrar or the Chairman of the Department.

HONORS: On permission of the staff, senior students with at least a "B" average in chemistry may be permitted to carry on individual research and to present a written thesis for Departmental Honors at graduation. Consult the department chairman concerning details.

BREAKAGE: Students enrolled in laboratory work will be charged for breakage of equipment based on a schedule of equipment costs as posted at the departmental stockroom.

1. GENERAL CHEMISTRY I. A rigorous introduction to the principles and applications of chemistry, including laboratory practice. *Prerequisite:* Second year high school algebra and high school chemistry or permission of the instructor.

<i>Winter</i>	Brantley	Lectures: 11:05 a.m.-12:20 p.m.	Mosher 1
		Laboratory: 2:20-5:30 p.m.	
		Section 1: Mon.	Brantley Norris 203
		Section 2: Mon.	De Haan Norris 204
		Section 3: Tues.	Brantley Norris 203
		Section 4: Tues.	De Haan Norris 204
		Section 5: Wed.	Brantley Norris 203
		Section 6: Thurs.	De Haan Norris 204
		Section 7: Thurs.	Barbarin Norris 203

2. GENERAL CHEMISTRY II. A continuation of General Chemistry I. *Prerequisite:* Chemistry 1.

<i>Spring</i>	Brantley	Lectures: 11:05 a.m.-12:20 p.m.	Mosher 1
		Laboratory: 2:20-5:30 p.m.	
		Section 1: Mon.	Brantley Norris 203
		Section 2: Mon.	De Haan Norris 204
		Section 3: Tues.	Brantley Norris 203
		Section 4: Tues.	De Haan Norris 204
		Section 5: Wed.	Amey Norris 203
		Section 6: Thurs.	Barbarin Norris 204

3. QUANTITATIVE CHEMISTRY. The study of the quantitative relationships of equilibrium systems in inorganic chemistry, and the quantitative aspects of oxidation-reduction reactions both in theory and in laboratory procedures. *Prerequisite:* Chemistry 2 and Mathematics 20, or permission of the instructor.

<i>Fall</i>	Amey	Lectures: 7:45-8:45 a.m.	Mosher 3
		Laboratory: 2:20-5:30 p.m.	
		Section 1: Tues.	De Haan Norris 202
		Section 2: Wed.	De Haan Norris 202

51. ORGANIC CHEMISTRY I. The introductory course in organic chemistry including laboratory applications in preparative work. *Prerequisite:* Chemistry 2.

<i>Fall</i>	Lambert	Lectures: 8:50-9:50 a.m.	Mosher 3
		Laboratory: 2:20-5:30 p.m.	
		Section 1: Tues.-Thurs.	Lambert Norris 200
		Section 2: Mon.	Barbarin Norris 200
		Section 3: Wed.	Barbarin Norris 200

52. ORGANIC CHEMISTRY II. A continuation of Organic Chemistry I. *Prerequisite:* Chemistry 51.

<i>Winter</i>	Lambert	Lectures: 8:50-9:50 a.m.	Mosher 3
		Laboratory: 2:20-5:30 p.m.	
		Section 1: Tues.-Thurs.	Lambert Norris 200
		Section 2: Mon.	Lambert Norris 200
		Section 3: Wed.	Barbarin Norris 200

CHEMISTRY

53. ORGANIC CHEMISTRY III. Intermediate organic chemistry, with emphasis placed on polyfunctional substances, condensation reactions and theories. *Prerequisite: Chemistry 52.*

Spring Lambert Lectures: 8:50-9:50 a.m. Mosher 3
 Lambert Laboratory: Tues.-Thurs. 2:20-5:30 p.m. Norris 200

54. INSTRUMENTAL METHODS. The use of instrumental techniques in the qualitative and quantitative identification of chemical compounds. *Prerequisite: Physics 13 and Chemistry 101, or permission of the instructor.*

Spring Amey Lectures: 7:45-8:45 a.m. Mosher 3
 Amey Laboratory: Arrange Norris 202

101. PHYSICAL CHEMISTRY I. An introduction to physico-chemical principles and laboratory practices. *Prerequisite: Chemistry 2 and Physics 13 or permission of the instructor.*

Fall Brantley Lectures: 10:00-11:00 a.m. Mosher 3
 Laboratory: 2:20-5:30 p.m.
 Section 1: Mon.-Wed. Brantley Norris 308
 Section 2: Tues.-Thurs. Brantley Norris 308

102. PHYSICAL CHEMISTRY II. A continuation of Physical Chemistry I. *Prerequisite: Chemistry 101.*

Winter De Haan Lectures: 10:00-11:00 a.m. Mosher 3
 Laboratory: 2:20-5:30 p.m.
 Section 1: Mon.-Wed. Amey Norris 308
 Section 2: Tues.-Thurs. Amey Norris 308

103. ADVANCED LABORATORY. Research theories, methods and techniques, including organic qualitative microanalysis, advanced organic synthesis and the use of chemical literature. *Prerequisite: Chemistry 53.*

Fall Cleland Lectures: 1:15-2:15 p.m. Mosher 1
 Cleland Laboratory: Tues.-Thurs. 2:20-5:30 p.m. Norris 305

104. SENIOR RESEARCH. Independent research culminating with the writing of a report. *Prerequisite: Permission of the department chairman.*

Each Term The Staff Arrange Norris 300A

105-205. ADVANCED PHYSICAL CHEMISTRY. The fundamentals of quantum and statistical mechanics and their application to some systems of chemical interest. *Prerequisite: Chemistry 102.*

Spring De Haan 8:50-9:50 a.m. Norris 313

106-206. ADVANCED ORGANIC CHEMISTRY. Studies in advanced theories of organic chemistry, with emphasis on reaction mechanisms. *Prerequisite: Chemistry 103 or permission of the instructor.*

Spring Barbarin 10:00-11:00 a.m. Norris 313

107-207. BIOCHEMISTRY. Organic and physical chemistry of compounds and systems of biological interest. *Prerequisite: Chemistry 52 or permission of the instructor.*

Winter Barbarin 11:05 a.m.-12:20 p.m. Norris 313

108-208. ADVANCED INORGANIC CHEMISTRY. Applications of modern developments of physics and chemistry to inorganic chemistry. *Prerequisite: Chemistry 102 or permission of the instructor.*

Fall De Haan 8:50-9:50 a.m. Norris 313

COMBINED SCIENCE

INSTRUCTOR BARBARIN, *Chairman*

PROFESSOR McMENAMIN (*of the Department of Biology*)

ASSOCIATE PROFESSOR McANALLY (*of the Department of Chemistry*)

PROFESSOR BIRMAN (*of the Department of Geology*)

PROFESSOR SEEKINS (*of the Department of Mathematics*)

ASSOCIATE PROFESSOR NELSON (*of the Department of Physics*)

ASSOCIATE PROFESSOR SEGALL (*of the Department of Physics*)

The combined science program is designed for the student who is not majoring in a science. It is an integrated sequence of three one-term courses which has the following objectives: (1) to introduce the student to the particular knowledge and skills of the physical and biological sciences, and to certain scientific theories and interpretations; (2) to indicate the role of science in human history, both past and present, and the scientist's view of nature, of man and of knowledge, with emphasis on the philosophical implications of modern science.

1. COMBINED SCIENCE I. The discovery of order in the universe, the nature of matter and energy and man's place in nature.

Fall The Staff 8:50-9:50 a.m. Mosher 1

2. COMBINED SCIENCE II. Continuation of Combined Science I. *Prerequisite: Combined Science 1.*

Winter The Staff 8:50-9:50 a.m. Mosher 1

3. COMBINED SCIENCE III. Continuation of Combined Science II. *Prerequisite: Combined Science 2.*

Spring The Staff 8:50-9:50 a.m. Mosher 1

ECONOMICS

ASSOCIATE PROFESSOR HARING, *Chairman*

PROFESSOR DERUYCKE

ASSISTANT PROFESSOR COLE

MR. HORTON, *Instructor*

MR. OLSON, *Instructor*

Economics deals with challenging and controversial problems of our time with which any well-educated person should be conversant. This department offers courses which aid in the understanding of problems of business and public economy, and which establish a background for careers in business administration, public service, law, teaching, or research.

The department offers two majors: (1) Economics, intended especially for those students who wish to prepare for graduate work in government, foreign affairs, economics, business administration, and law; (2) Business Administration, designed for those students who wish to concentrate more upon specific, practical problems in business.

Students interested in economic studies are referred also to the interdepartmental major in Diplomacy and World Affairs (page 55).

MAJOR IN ECONOMICS: Eleven courses from this department: Economics 1, 2, 50, 51, 52, 106, 108, 111, 112, 115 and 123. Consult the department faculty for recommendations of mathematics and statistics appropriate to individual programs.

MAJOR IN BUSINESS ADMINISTRATION: Nine courses from this department: Economics 1, 2, 50, 51, 52, 106, 110, 114, and 115. Consult the department faculty for recommendations of mathematics and statistics appropriate to individual programs.

HONORS: Qualified majors may achieve Departmental Honors at graduation through completion of a program of independent research and a senior thesis. Consult the department chairman for details.

1. INTRODUCTION TO ECONOMICS. The economics of nations (government spending, taxation, national debt, money, gold, depressions and inflation).

Fall Cole Section 1: 1:15-2:15 p.m. Johnson 20
 Olson Section 2: 11:05 a.m.-12:20 p.m. Johnson 20
 Olson Section 3: 2:20-3:20 p.m. Johnson 20

Winter Horton 1:15-2:15 p.m. Johnson 20

Spring Haring 11:05 a.m.-12:20 p.m. Johnson 21

2. INTRODUCTION TO PRICE THEORY. Price and allocation theory, international trade, free enterprise, government regulation, the farm problem, and related areas. *Prerequisite: Economics 1.*

Fall Horton 1:15-2:15 p.m. Johnson 21

Winter Cole Section 1: 2:20-3:20 p.m. Johnson 21
 deRycke Section 2: 11:05 a.m.-12:20 p.m. Johnson 21

Spring deRycke 1:15-2:15 p.m. Johnson 20

50. ACCOUNTING. Accounting principles and practices. *Prerequisite: Economics 1, 2 or permission of the instructor.*

Fall deRycke 2:20-3:20 p.m. Johnson 21

51. INCOME AND BUSINESS FLUCTUATIONS. National income, money, aggregate economic analysis. *Prerequisite: Economics 1, 2.*

Winter Olson 1:15-2:15 p.m. Johnson 21

Spring Horton 2:20-3:20 p.m. Johnson 21

52. INTERMEDIATE ECONOMIC THEORY. Utility, price, and distribution. *Prerequisite: Economics 1, 2.*

Winter Cole 11:05 a.m.-12:20 p.m. Johnson 20

Spring Cole 11:05 a.m.-12:20 p.m. Johnson 20

53. MANAGERIAL ACCOUNTING. Cost accounting and financial ratios. Recommended for pre-law students. *Prerequisite: Economics 50.*

Winter deRycke Not given in 1966-67

106. ELEMENTARY ECONOMETRICS. Application of mathematics and statistics to economics. *Prerequisite: Economics 1, 2; Mathematics 14, 21, and 120, or equivalent.*

Fall Haring 10:00-11:00 a.m. Johnson 20

Winter Haring 10:00-11:00 a.m. Johnson 20

107. AMERICAN ECONOMIC HISTORY. Colonial history to the present.

Fall Cole Not given in 1966-67

108. ECONOMICS OF GOVERNMENT. Public finance, taxation, expenditure policy, the budget. *Prerequisite: Economics 1, 2.*

Winter Olson 2:20-3:20 p.m. Johnson 20

109-209. INTERNATIONAL ECONOMIC SYSTEMS. Capitalism, socialism and democracy in rich and poor countries. *Prerequisite: Economics 1, 2.*

Spring Olson 8:50-9:50 a.m. Johnson 21

ECONOMICS

110. LABOR ORGANIZATION. History of labor unions, industrial relations, theories of union organization and management. *Prerequisite: Economics 1, 2.*

Spring Horton 1:15-2:15 p.m. Johnson 21

111-211. INTERNATIONAL TRADE AND COMMERCIAL POLICY. Composition of international trade, balance of payments, trade theory, international economic policy. *Prerequisite: Economics 1, 2.*

Fall deRycke 1:15-2:15 p.m. Swan 10

Spring deRycke 3:25-4:25 p.m. Herrick 2

112. DEVELOPMENT OF ECONOMIC IDEAS. Relation of economic thought to economic history: Adam Smith to present. *Prerequisite: Economics 1, 2.*

Fall Horton 8:50-9:50 a.m. Johnson 21

114. BUSINESS ORGANIZATION. Organization theory, the business case method, and the corporation. *Prerequisite: Economics 1, 2, 50. Preferably to be taken immediately after Economics 50.*

Winter deRycke 3:25-4:25 p.m. Swan 10

115. MONETARY ECONOMICS. Relation of money to prices and output; dynamic economics. *Prerequisite: Economics 1, 2.*

Winter Haring 11:05 a.m.-12:20 p.m. Johnson 25

117. RESEARCH SEMINAR IN ECONOMICS. Application of modern research methods to current problems in economics and related fields. *Prerequisite: Economics 1, 2, and permission of the instructor.*

Spring Haring 10:00-11:00 a.m. Swan 30

120-220. ECONOMIC DEVELOPMENT. Underdeveloped countries and economic progress; history and theory; the relationship of international trade to growth. *Prerequisite: Economics 1, 2.*

Fall Haring 11:05 a.m.-12:20 p.m. Swan 30

122. SOVIET ECONOMIC HISTORY. The Soviet economy since 1917.

Spring Not given in 1966-67.

123. WELFARE ECONOMICS. The economics of poverty and plenty; social choice and individual values. Public needs and revealed preferences; welfare functions. *Prerequisite: Economics 1, 2.*

Spring Cole 2:20-3:20 p.m. Johnson 20

199. HONORS.

Each Term The Staff Arrange Swan 2

EDUCATION

PROFESSOR PETRIE, *Chairman*

PROFESSOR STANCHFIELD

ASSOCIATE PROFESSOR FRODSHAM (*of the Department of Music*)

MR. MORA, *Instructor (of the Department of Physical Education)*

MR. DALTON, *Lecturer*

The Department of Education has as its major function professional preparation for teaching in the elementary and secondary schools of the State of California. The department regards professional education as comprehending within its scope the development of social and personal attitudes and responsibilities, ethical standards, and ideals of service. In providing both cultural and scientific backgrounds it aims to promote an appreciation of the institutions and traditions of a free society, to foster attitudes of critical observation and judgment, and to equip the prospective teacher with the knowledges and skills involved in the more technical aspects of the educative process.

The program of the Department of Education is therefore designed to meet the needs of individuals with respect to all of these factors of competency and to include those courses indicated by the State Department of Education as recommended or required for the various standard teaching credentials.

TEACHING CREDENTIALS

Occidental College has been authorized by the California State Board of Education to recommend properly qualified candidates for the standard teaching credentials with the following specializations: (1) Elementary Teaching, (2) Secondary Teaching, (3) Junior College Teaching.

Students with junior or senior standing may be admitted to the Department of Education as candidates for one or more of the credentials mentioned above, provided their records in the first two years of college work indicate the probability of their fitness for the teaching profession. This includes, in addition to a satisfactory standard of scholarship, seriousness of purpose and natural interest in the work.

Currently enrolled students who wish to prepare for the credentials must consult the Department of Education and must file formal applications be-

EDUCATION

fore beginning junior year work, preferably as sophomores before May 1.

Graduates from institutions of recognized standing may be admitted as candidates for any credential provided they meet the requirements of the college. For further information concerning the requirements for graduate study and admission to graduate standing, see pages 42-48.

An appointment bureau is maintained by the Department of Education for the assistance of candidates for teaching positions.

REQUIREMENTS FOR CREDENTIALS

FOR ALL CREDENTIALS: A bachelor's degree, admission to graduate standing in the college; approval of candidacy and courses of study by the Department of Education and the major and minor departments; a postgraduate year of at least seven courses or equivalent; completion of a course or passing of an examination in the principles and provisions of the United States Constitution (see page 36); a medical examination administered by the college physician.

FOR THE STANDARD TEACHING CREDENTIAL WITH A SPECIALIZATION IN ELEMENTARY TEACHING: Four years, or the equivalent, of college or university education, with a baccalaureate or higher degree from an institution approved by the California State Board of Education; a fifth year of college or postgraduate university education, consisting of at least seven courses or equivalent; courses and competencies in general education, or their equivalents, as listed: three courses in English and demonstrated competence in composition, History of Civilization 1-2-3-4-5-6, Combined Science 1-2-3, Mathematics 101-102, Foreign Language—four terms; a major selected from the approved list of majors*; a minor selected from the approved list of minors*; professional preparation to include Education 102, 110, 130, 131, 132, 133, 150 and 151.

FOR THE STANDARD TEACHING CREDENTIAL WITH A SPECIALIZATION IN SECONDARY TEACHING: Four years, or the equivalent, of college or university education, with a baccalaureate or higher degree from an institution approved by the California State Board of Education; a fifth year of college or postgraduate university education, consisting of at least seven courses or equivalent; courses and competencies in general education, or their equivalents, as listed: three courses in English and demonstrated competence in composition, History of Civilization 1-2-3-4-5-6, Combined Science 1-2-3, Foreign Language—four terms; a major selected from the list of approved majors* (two courses in the major are required to be at the graduate level,

*See Education Department Bulletin on Requirements for Credentials for lists of approved majors and minors.

unless the candidate completes two courses of graduate work toward completion of the minor, in which case the two graduate courses for the major are waived); a minor selected from the approved list of minors*; professional preparation to include Education 102, 110, 230, 250 and 251. Music majors may substitute Education 140 for Education 230.

FOR THE STANDARD TEACHING CREDENTIAL WITH A SPECIALIZATION IN JUNIOR COLLEGE TEACHING: A master's degree, doctor's degree or other postgraduate degree approved by the California State Board of Education; courses and competencies in general education, or their equivalents, as listed: three courses in English and demonstrated competence in composition, History of Civilization 1-2-3-4-5-6, Combined Science 1-2-3, Foreign Language—four terms; a major selected from the list of approved majors*; a minor selected from the list of approved minors*; professional preparation to include the following courses: Education 110 and 250.

INTERNSHIP PLANS FOR COMPLETION OF CREDENTIAL REQUIREMENTS: In cooperation with several school districts there are available to selected candidates internship plans for completion of the requirements for the standard elementary and secondary credentials. Details of the requirements and operation of the plans may be secured through the office of the chairman of the Department of Education.

102-202. **SOCIAL FOUNDATIONS OF EDUCATION.** Survey of ideas which have shaped educational theory and practice; school and community; field study of adolescent society and value systems.

Winter Frodsham 2:20-3:20 p.m. Johnson 31

Spring Frodsham 2:20-3:20 p.m. Johnson 31

110-210. **PSYCHOLOGICAL FOUNDATIONS OF EDUCATION.** Learning process and principles, growth and development, mental hygiene, personality development and guidance.

Winter Stanchfield 1:15-2:15 p.m. Johnson 31

Spring Stanchfield 1:15-2:15 p.m. Johnson 31

130. **METHODS AND OBSERVATION OF TEACHING ELEMENTARY SCHOOL SUBJECTS I.**
Prerequisite: Education 110.

Fall The Staff 11:05 a.m.-12:20 p.m. Johnson 31

131. **METHODS AND OBSERVATION OF TEACHING ELEMENTARY SCHOOL SUBJECTS II.**
Prerequisite: Education 130.

Winter The Staff 11:05 a.m.-12:20 p.m. Johnson 31

*See Education Department Bulletin on Requirements for Credentials for lists of approved majors and minors.

EDUCATION

132. METHODS AND OBSERVATION OF TEACHING ELEMENTARY SCHOOL SUBJECTS III. *Prerequisite: Education 131.*

Spring Dalton 3:25-4:25 p.m. Art 6

133. METHODS AND OBSERVATION OF TEACHING ELEMENTARY SCHOOL SUBJECTS IV. *Prerequisite: Education 131.*

Spring Frodsham 1:15-2:15 p.m. Music-Speech 26

140. PRINCIPLES OF MUSIC EDUCATION.

Winter Frodsham 1:15-2:15 p.m. Music-Speech 26

150. STUDENT TEACHING IN ELEMENTARY SCHOOLS AND AUDIO-VISUAL LABORATORY. *Prerequisite: Education 110, 132. Fee \$20.00.*

Each Term The Staff Arrange Johnson 34

151. STUDENT TEACHING IN ELEMENTARY SCHOOLS AND AUDIO-VISUAL LABORATORY. Continuation. *Prerequisite: Education 150, or equivalent. Fee \$20.00 except for interns.*

Each Term The Staff Arrange Johnson 34

152. STUDENT TEACHING IN PHYSICAL EDUCATION AND AUDIO-VISUAL LABORATORY. *Fee \$20.00.*

Spring Mora Arrange Alumni Gymnasium 1

153. STUDENT TEACHING IN PHYSICAL EDUCATION AND AUDIO-VISUAL LABORATORY. Continuation. *Prerequisite: Education 152 or equivalent. Fee \$20.00.*

Spring Mora Arrange Alumni Gymnasium 1

154. STUDENT TEACHING IN MUSIC AND AUDIO-VISUAL LABORATORY. *Prerequisite: Music 140. Fee \$20.00.*

Each Term Frodsham Arrange Music-Speech 15

155. STUDENT TEACHING IN MUSIC AND AUDIO-VISUAL LABORATORY. Continuation. *Prerequisite: Education 154 or equivalent. Fee \$20.00.*

Each Term Frodsham Arrange Music-Speech 15

230. THE SECONDARY SCHOOL. Scope and function, curriculum principles and organization, methodology, including measurement and evaluation, and classroom management.

Fall Petrie 7:45-8:45 a.m. Johnson 33
and three hours weekly to be arranged.

Spring Petrie 7:45-8:45 a.m. Johnson 33
and three hours weekly to be arranged.

250. STUDENT TEACHING IN SECONDARY SCHOOLS AND AUDIO-VISUAL LABORATORY. *Prerequisite: Education 110 and 230. Fee \$20.00.*

Each Term The Staff Arrange Johnson 34

251. STUDENT TEACHING IN SECONDARY SCHOOLS AND AUDIO-VISUAL LABORATORY. Continuation. *Prerequisite: Education 250 or equivalent. Fee \$40.00 except for interns.*

Each Term The Staff Arrange Johnson 34

301. RESEARCH.

Each Term The Staff Arrange Johnson 34

390. THESIS FOR MASTER OF ARTS DEGREE.

Each Term The Staff Arrange Johnson 34

ENGLISH AND COMPARATIVE LITERATURE

PROFESSOR RYF, *Chairman*

PROFESSOR KURTZ

PROFESSOR OLIVER

PROFESSOR BUSACCA

ASSOCIATE PROFESSOR ADAMS, *Director of Freshman English*

ASSOCIATE PROFESSOR OWEN

MRS. ADELBERGER, *Instructor*

MR. GIVLER, *Instructor*

MISS HOWELLS, *Instructor*

MRS. KINDER, *Instructor*

MR. MORITZ, *Instructor*

By Special Appointment: MR. BRIER

The Department of English and Comparative Literature has three purposes: (1) to increase the student's mastery of the English language; (2) to develop critical ability; and (3) to teach the literature of two traditions—the Anglo-American tradition through a major in English, and major literary movements and masterpieces of the Western world through a major in Comparative Literature.

Each freshman major in the department is assigned to an adviser. No later than the first term of the junior year each major should report to the department chairman for reassignment. The student's program of courses is to be developed in conference with his adviser. At each registration, programs of study are to be approved by the adviser and by the chairman of the department.

MAJOR IN ENGLISH: Ten courses from this department in addition to English 1 or equivalent.

MAJOR IN COMPARATIVE LITERATURE: Ten courses from this department, in addition to English 1 or equivalent. At least one advanced course in literature in a foreign language is required. French and German are the preferred languages.

The requirements of the two majors are to be conceived in terms of knowledge and ability to think and write effectively in the area embraced by the major, rather than in terms of courses. The English Senior Comprehensive Examination will assume: (1) knowledge of the Anglo-American tradition in literature, and special knowledge in one period; (2) ability to associate

ENGLISH AND COMPARATIVE LITERATURE

Anglo-American Literature with the stream of ideas; (3) critical ability based upon a knowledge of theory and analytical skill; (4) knowledge of linguistic history and methodology; (5) knowledge in some depth of a literary genre; and (6) knowledge in depth of Shakespeare and one other major literary figure.

The Comparative Literature Senior Comprehensive Examination will assume: (1) knowledge of major movements and masterpieces of western literature and masterpieces of Oriental literature; (2) ability to associate literary periods and movements with the stream of ideas; (3) critical ability based upon a knowledge of theory and analytical skill; (4) knowledge of a foreign language (French or German preferred) sufficient for effective work in the literature of that language; (5) knowledge of a chosen literary genre; and (6) knowledge in depth of Shakespeare and one other major figure in world literature.

HONORS: A student in either of the above majors, who has demonstrated his competence, may, with the approval of his adviser and of the department chairman, elect to read for Departmental Honors.

GRADUATE PROGRAM: The degree of Master of Arts may be completed with emphasis on either English, Anglo-American Literature, or Comparative Literature. Requirements for this degree are stated on pages 42-45. Knowledge of one foreign language (French or German preferred) also is required.

Requirements for the degree of Doctor of Philosophy with emphasis on either Anglo-American Literature or Comparative Literature shall be as approved in each individual instance by the Graduate Committee. These shall include a minimum of one continuous year of residence, and mastery of two foreign languages appropriate to the candidate's interest. See also pages 42-48 for requirements for the degree of Doctor of Philosophy.

For the Ph.D. in Anglo-American Literature, preliminary examinations will cover the following areas: the general tradition of Anglo-American literature, a literary genre, a literary period, three major figures, and the critical tradition. Each year the department will offer three or four seminars from the following areas in Anglo-American Literature, so that ordinarily all of the areas will be represented over a two-year period: Old English, Middle English, Renaissance, Restoration and Eighteenth Century, Nineteenth Century, American, Modern British and American, Bibliography and Methods of Research. Each year one seminar will center on a major figure, and one will center on a genre.

For the Ph.D. in Comparative Literature, preliminary examinations must be passed in five areas: one will be in major critical texts, one in a literary figure, one in a literary genre, one in a literary period, and one in an approved area of study outside of but related to literature.

ENGLISH AND COMPARATIVE LITERATURE

1. FRESHMAN ENGLISH. An introduction to college level writing.

Fall	Givler	Section 1: 7:45-8:45 a.m.	Fowler 302
	Staff	Section 2: 7:45-8:45 a.m.	Mosher 2
	Staff	Section 3: 1:15-2:15 p.m.	Alumni Gymnasium 17
	Kinder	Section 4: 2:20-3:20 p.m.	Johnson 31
	Oliver	Section 5: 2:20-3:20 p.m.	Fowler 301
Winter	Staff	Section 6: 3:25-4:25 p.m.	Johnson 23
	Adelberger	Section 1: 7:45-8:45 a.m.	Mosher 2
	Howells	Section 2: 2:20-3:20 p.m.	Fowler 202
	Howells	Section 3: 7:45-8:45 a.m.	Mosher 3
Spring	Moritz	Section 1: 7:45-8:45 a.m.	Johnson 23
	Adelberger	Section 2: 2:20-3:20 p.m.	Fowler 301
	Adams	Section 3: 1:15-2:15 p.m.	Alumni Gymnasium 16

32. EXPOSITORY ANALYSIS AND WRITING. An advanced course in the analysis and writing of expository prose.

Fall	Givler	1:15-2:15 p.m.	Music 33
Winter	Givler	Section 1: 7:45-8:45 a.m.	Johnson 37
	Adelberger	Section 2: 1:15-2:15 p.m.	Art 7
Spring	Howells	Section 1: 7:45-8:45 a.m.	Mosher 2
	Moritz	Section 2: 2:20-3:20 p.m.	Mosher 3

33. MAJOR FIGURES IN ENGLISH LITERATURE. An introduction to types of literature through major figures. Literary analysis and writing. Intended primarily for non-literature majors.

Fall	Howells	11:05 a.m.-12:20 p.m.	Alumni Gymnasium 17
Winter	Kinder	1:15-2:15 p.m.	Alumni Gymnasium 16
Spring	Adelberger	Section 1: 11:05 a.m.-12:20 p.m.	Alumni Gymnasium 16
	Givler	Section 2: 2:20-3:20 p.m.	Mosher 2

101. ENGLISH LITERATURE FROM THE BEGINNINGS TO THE RENAISSANCE. An introduction to the epic, lyric, narrative and dramatic writing of England in the Middle Ages and Renaissance.

Fall	Owen	3:25-4:25 p.m.	Johnson 25
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102. ENGLISH LITERATURE FROM THE RENAISSANCE TO ROMANTICISM. The study of the classical period from its beginnings through its major literary production.

Winter	Kinder	3:25-4:25 p.m.	Johnson 23
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103. ENGLISH LITERATURE FROM ROMANTICISM TO 1914. The major poetry and prose of the Romantic and Victorian periods.

Spring	Brier	3:25-4:25 p.m.	Johnson 20
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110. CREATIVE WRITING. Theory and practice in the art of literary creativity. In 1966-67: Prose fiction. *Registration only upon consent of the instructor.*

Fall	Brier	11:05 a.m.-12:20 p.m.	Swan 200
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111. THE ENGLISH LANGUAGE. An introduction to the historical study of language, with studies of phonetics, vocabulary development, grammatical principles, and problems in understanding.

Winter	Oliver	8:50-9:50 a.m.	Johnson 23
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145. AMERICAN LITERATURE TO 1860. American literature from the beginnings to the Civil War, with emphasis upon major writers and movements.

Winter	Kurtz	10:00-11:00 a.m.	Johnson 23
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ENGLISH AND COMPARATIVE LITERATURE

146. AMERICAN LITERATURE SINCE 1860. Major literary trends and representative writers during the last 100 years.

Spring Kurtz 10:00-11:00 a.m. Johnson 23

151. THE NOVEL TO 1900. Origins and historical developments of the novel in England.

Fall Kinder 11:05 a.m.-12:20 p.m. Alumni Gymnasium 16

152. THE NOVEL IN THE 20TH CENTURY. The study of selected novels from the major writers of our age.

Spring Ryf 2:20-3:20 p.m. Johnson 23

161. DEVELOPMENT OF THE DRAMA. The development of the drama as a literary genre, with emphasis upon major Anglo-American dramatists.

Fall Busacca 11:05 a.m.-12:20 p.m. Johnson 23

162. MODERN DRAMA. Dramatic forms, techniques and content in major works of the late 19th and 20th Centuries.

Winter Busacca 11:05 a.m.-12:20 p.m. Johnson 23

163-263. LITERATURE OF THE CLASSICAL WORLD. Major literary works in the classical period, and in the Graeco-Roman world.

Fall Adelberger 1:15-2:15 p.m. Fowler 302

164-264. WESTERN MEDIEVAL AND RENAISSANCE LITERATURE. Major literary works in the Middle Ages and Renaissance in the European world.

Winter Moritz 1:15-2:15 p.m. Alumni Gymnasium 17

165-265. WESTERN LITERATURE SINCE THE RENAISSANCE. Major literary works in the European tradition from the neo-classical era to the 20th Century.

Spring Oliver 11:05 a.m.-12:20 p.m. Johnson 36

166. ORIENTAL LITERATURE. Literary masterpieces of the Far East.

Spring Mok 2:20-3:20 p.m. Fowler 112

170. SHAKESPEARE. Intensive readings of selected plays, with analysis and criticism.

Winter Kurtz 1:15-2:15 p.m. Johnson 23

171. MAJOR ROMANTIC POETS. Study of the poetry of Wordsworth, Coleridge, Byron, Shelley and Keats.

Winter Brier 7:45-8:45 a.m. Johnson 23

172. TWENTIETH CENTURY POETRY. Forms, techniques and content in the major Anglo-American poetry of this century.

Spring Ryf 11:05 a.m.-12:20 p.m. Johnson 23

180-280. CHAUCER. Study in depth in the background and literary product of Chaucer.

Fall Moritz 2:20-3:20 p.m. Johnson 23

181-281. MILTON. Study in depth in the background and literary product of Milton.

Spring Owen 3:25-4:25 p.m. Johnson 23

ENGLISH AND COMPARATIVE LITERATURE

182-282. THE RENAISSANCE PERIOD. Special studies in the literature of the English Renaissance.

Fall Owen 10:00-11:00 a.m. Johnson 23

183-283. THE EIGHTEENTH CENTURY. Special studies in the literature of the English Restoration and the 18th Century.

Spring Kinder 1:15-2:15 p.m. Johnson 23

184-284. THE VICTORIAN PERIOD. Special studies in the literature of the English Victorian period.

Winter Adams 2:20-3:20 p.m. Johnson 23

185-285. LITERARY CRITICISM. Historical, theoretical and applied criticism.

Spring Oliver 8:50-9:50 a.m. Johnson 23

190. SENIOR SEMINAR. Advanced studies for senior majors; especially recommended for Departmental Honors candidates and for those contemplating graduate work.

Spring Kurtz Wed., 1:15-4:25 p.m. Swan 10

199. HONORS. Independent study leading to thesis for Departmental Honors.

Each Term The Staff Arrange Swan 102

301. RESEARCH. Independent research for qualified graduate students.

Each Term The Staff Arrange Swan 102

305. SEMINAR IN INDIVIDUAL AUTHORS. Study in depth of the art and thought of some single major author. Offered in 1966-67: Thomas Mann.

Fall Oliver Mon., 1:15-4:25 p.m. Swan 100

307. SEMINAR IN A GENRE. A study of the development and character of some literary genre. Offerings for 1966-67 as indicated below:

Winter Oliver Epic Mon. 1:15-4:25 p.m. Swan 100

Spring Busacca Novel Mon. 1:15-4:25 p.m. Swan 100

308. SEMINAR IN A PERIOD. A study in depth of the character and literary product of some period or movement. Offerings for 1966-67 as indicated below:

Fall Adams Nineteenth Century
Wed. 1:15-4:25 p.m. Swan 100

Winter Owen Medieval Wed. 1:15-4:25 p.m. Swan 100

Spring Owen Renaissance Wed. 1:15-4:25 p.m. Swan 100

385. CREATIVE PROJECT IN LIEU OF THESIS. A candidate for the Master of Arts Degree (in either English, Anglo-American Literature, or Comparative Literature) may, with the approval of his committee, submit a creative project in lieu of a thesis.

Each Term The Staff Arrange Swan 102

390. THESIS FOR MASTER OF ARTS DEGREE. A research project of suitable subject, scope and depth.

Each Term The Staff Arrange Swan 102

ENGLISH AND COMPARATIVE LITERATURE

INTERDISCIPLINARY GRADUATE SEMINARS UNDER THE INTERCOLLEGIATE PROGRAM OF GRADUATE STUDIES (SEE PAGES 42-48)

416. CHANGE AND CONTINUITY IN TWENTIETH-CENTURY THOUGHT AND EXPRESSION. Studies in contemporary literature and philosophy, with special emphasis on the literary expression and definition of intellectual and social values in the modern world. *Credit granted only on completion of the year's work.*

Each Term Busacca and Intercollegiate Staff Tues. 1:15-5:30 p.m. Swan 107

417. STUDIES IN CULTURAL HISTORY. The specific topic varies from year to year, and is drawn from among the following: The Renaissance, The Nineteenth Century, The Eighteenth Century, The Reformation, The Return of the Middle Ages, The City of God and the Fall of Rome, Archetypes of Folklore in Mediaeval Culture. *In 1966-67: Nineteenth Century. Credit granted only on completion of the year's work.*

Each Term Adams and Intercollegiate Staff Tues. 1:15-5:30 p.m. Swan 107

418. THE IDEA OF SOCIETY. The specific topic varies from year to year, and is drawn from among the following: The Idea of Revolution, Urban Civilization, Problems of Authority, The Administrative Process, Individualism and Collectivism, Colonialism, The City-State and Leviathan. *In 1966-67: The Anomaly of Athens (first half).*

*See Note** Intercollegiate Staff Tues. 1:15-5:30 p.m. Swan 107

419. AMERICAN STUDIES. The specific topic varies from year to year, and is drawn from among the following: Dreams and Delusion, American Institutions and Ideals Since 1900, The Three Races in the United States, The Westward Movement, European Ambivalence Toward the New World. *In 1966-67: Conflicts and Determinations (second half).*

*See Note** Intercollegiate Staff Tues. 1:15-5:30 p.m. Swan 107

420. PHILOSOPHIC PROBLEMS. The specific topic varies from year to year, and is drawn from among the following: The Philosophy of History, The Revolt Against Dualism, The Implications of Scientific Inquiry, Ethics and Policy, The Language of Contemporary Theology, The Nature of Evidence, System and Skepticism in Modern Philosophy. *In 1966-67: Aesthetics and Non-Aesthetics of Art (second half).*

*See Note** Intercollegiate Staff Tues. 1:15-5:30 p.m. Swan 107

490. THESIS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY. The dissertation must be of sufficient scope and length to reveal a significant contribution, scholarly and critical, in an area broad enough to require the integration of a considerable body of material.

Each Term The Staff Arrange Swan 107

COLLOQUIUM. Occasional evening meetings open to all IPGS students and faculty for the purpose of exploring issues of significance and interest to all. *No credit.*

*Note: In 1966-67, English and Comparative Literature 418 and 419 or 420 may be combined to make a year course.

GEOLOGY

PROFESSOR BIRMAN, *Chairman*

ASSOCIATE PROFESSOR MORRIS

The geology curriculum at Occidental offers a rigorous coverage of geological fundamentals, and is unique in that several courses are specifically designed to illustrate and utilize the sciences on which geology is based. The program also permits strong emphasis on the humanities in accordance with the general objectives of the college. Upon completion of a major in the Department of Geology, a student has broad rather than specific training in the science of the Earth.

Flexibility in the program and the stated requirements are such that the career-oriented geology major acquires more than the usual depth, according to his natural interest, in one of the basic sciences. Upon completion he is ready to pursue a geological career in oil, mining, or any other aspect of the geological profession, and is well prepared for research in graduate work.

MAJOR: Twelve courses from this department: Geology 1, 2, 3, 51, 52, 53, 54, 151, 152, 153, 191, and either Geology 101 or 103. Mathematics 21 and 22 are required; additional courses are recommended from biology, chemistry, mathematics and physics, to be chosen in consultation with the major adviser.

Courses in Geophysics-Geochemistry and Geobiology are offered without prerequisite, subject to permission of the department, for non-geology science majors. In addition, several other geology courses are available without prerequisite for qualified students in humanities and science.

1. PHYSICAL GEOLOGY. Survey of earth structure, composition and process.

<i>Winter</i>	Birman	Lectures: 1:15-2:15 p.m.	Alumni Hall
	Birman	Laboratory: Section 1: Mon. 2:20-5:30 p.m.	Fowler 311
	Birman	Section 2: Wed. 2:20-5:30 p.m.	Fowler 311

2. HISTORICAL GEOLOGY. History of the development of the earth and its life. *Prerequisite: Geology 1.*

<i>Spring</i>	Morris	Lectures: 11:05 a.m.-12:20 p.m.	Fowler 201
	Morris	Laboratory: Section 1: Mon. 1:15-4:25 p.m.	Fowler 311
	Morris	Section 2: Wed. 1:15-4:25 p.m.	Fowler 311

GEOLOGY

3. **STRUCTURAL GEOLOGY.** Spatial relations of rocks of the earth's crust, their deformation, and processes of change. *Prerequisite: Geology 1 and 2. Given in alternate years.*

Winter Morris Lectures: 10:00-11:00 a.m. Fowler 311
Laboratory: 3 hours to be arranged

51. **PALEONTOLOGY.** Study of development of invertebrate and vertebrate life as recorded in fossils; evolution; importance of life in interpreting history of the earth. *Prerequisite: Geology 1 and 2. Given in alternate years.*

Winter Morris Not given in 1966-67.

52. **MINERALOGY.** Study of minerals, including crystallography, use of the polarizing microscope, x-ray diffraction, chemical methods of identification and origin and occurrence of minerals. *Prerequisite: Geology 1 or Combined Science 2.*

Spring Birman Lectures: 1:15-2:15 p.m. Fowler 309
Laboratory: Tues.-Thurs. 2:20-5:30 p.m. Fowler 309

53. **IGNEOUS AND METAIGNEOUS PETROLOGY.** Description, identification, and genetic interpretation of igneous rocks and their metamorphic derivatives. *Prerequisite: Geology 1 and 2. Given in alternate years.*

Fall Birman Lectures: 10:00-11:00 a.m. Fowler 309
Laboratory: Mon.-Wed. 1:15-4:25 p.m. Fowler 309

54. **SEDIMENTARY AND METASEDIMENTARY PETROLOGY.** Description, identification, and genetic interpretation of sedimentary rocks and their metamorphic derivatives. *Prerequisite: Geology 1 and 2. Given in alternate years.*

Winter Morris Not given in 1966-67.

101-201. **GEOPHYSICS-GEOCHEMISTRY.** Physical processes in the earth, including geochronology, gravity, magnetic, seismic, and electrical exploration; strength and structure of the earth. Chemical composition of the earth; geochemical exploration and interpretation. *Open without prerequisite to physics and chemistry majors. Given in alternate years.*

Fall Birman Not given in 1966-67.

103-203. **GEOBIOLOGY.** Biologic processes and composition of the earth; interrelationship of living groups and their environments in space and time. *Open without prerequisite to biology majors. Given in alternate years.*

Winter Morris Lectures: 8:50-9:50 a.m. Fowler 311
Laboratory: Friday 1:15-4:25 p.m. Fowler 311

151. **ADVANCED GENERAL GEOLOGY.** Study of the earth's crust, oceans and atmosphere. *Prerequisite: Geology 1 and 2.*

Fall Morris Lectures: 8:50-9:50 a.m. Fowler 311
Laboratory: Tues. 1:15-4:25 p.m. Fowler 311

152. **FIELD GEOLOGY I.** Methods and technique in geologic mapping. Detailed mapping and geologic interpretation of local areas. *Prerequisite: Geology 3 and 53.*

Fall Morris Lectures: 10:00-11:00 a.m. Fowler 311
Laboratory on Saturday

153. **FIELD GEOLOGY II.** Continuation of Field Geology I. *Prerequisite: Geology 152.*

Winter Birman Arrange Fowler 313

191. **SENIOR RESEARCH.**

Winter The Staff Arrange Fowler 313

HISTORY

PROFESSOR RODES, *Chairman*

PROFESSOR MOK

PROFESSOR ROLLE

PROFESSOR KROEBER

ASSOCIATE PROFESSOR HARRIS

ASSISTANT PROFESSOR TREXLER

ASSISTANT PROFESSOR COHEN

The courses of the Department of History provide an understanding of man's social organization and culture because a sound knowledge of history is essential to the formation of judgments on current conditions in politics and economics. Selected courses in this department also provide a desirable introduction to training in the professions of law, public administration, foreign service, and teaching.

MAJOR: Nine courses from this department and six other courses chosen in consultation with the student's adviser. The nine courses must include History 1 and two proseminars (181, 182, 183). The remaining history courses should be selected from the following areas of concentration: two courses in United States (100-105), two courses in Europe (110-129), and two courses in *one* of the following: Far East (130-137), Latin America (144-146), and Near East-Africa (160-168).

Details concerning the required comprehensive examination in History and other course advice may be obtained from the major adviser.

HONORS: Majors in the department may qualify for Departmental Honors through independent study, including a senior thesis. Consult the department chairman concerning details.

Students interested in political studies or in regional studies dealing with Asia, Latin America or Europe are referred to the interdepartmental major in Diplomacy and World Affairs (page 55). For the History of Ideas, see page 95.

HISTORY

1. HISTORIOGRAPHY. Practice in methods of historical research; writings of great historians and their philosophy of history. *Prerequisite: Sophomore standing. Majors from other departments admitted only by consent of the instructor.*
Spring Kroeber 3:25-4:25 p.m. Swan 30

100. COLONIAL AMERICA. Indians and pre-history; European Empires in the Americas and the American revolutionary experience.
Fall Cohen 1:15-2:15 p.m. Fowler 127

101. THE BEGINNING OF THE NATION. The emergence of the Nation after the Revolution; the Constitution, plus consideration of internal development, Manifest Destiny and sectional struggle of the 1850's.
Winter Cohen 2:20-3:20 p.m. Fowler 201

102. MID-CENTURY CONFLICT AND THE CIVIL WAR. Causes of the Civil War and the rebuilding of the Nation after 1865. *Given in alternate years.*
Fall Cohen *Not given in 1966-67.*

103. THE EMERGENCE OF MODERN AMERICA. The rise of the American Empire and political, economic, and social adjustments at home, 1876-1929.
Fall Rolle 10:00-11:00 a.m. Fowler 201

104-204. CONTEMPORARY AMERICA. The Great Depression, the New Deal era, and the Nation in war and peace. Cold war and present problems at home and abroad.
Winter Rolle 10:00-11:00 a.m. Fowler 201

105-205. CALIFORNIA AND THE WEST. The role of California in the life of the Nation and the American West from Spanish times to the present. *Meets requirement in California State and Local Government.*
Spring Rolle 8:50-9:50 a.m. Fowler 201

110. ANCIENT HISTORY. A study of aspects of Greek and Roman cultures, emphasizing those legacies transferred to Western civilization. *Given in alternate years.*
Spring Trexler 2:20-3:20 p.m. Fowler 201

112. MEDIEVAL HISTORY. The Middle Ages in Western and Eastern Europe, ca. 300-1300. *Given in alternate years.*
Fall Trexler 11:05 a.m.-12:20 p.m. Fowler 201

122. RENAISSANCE AND REFORMATION. The Renaissance and the Protestant and Catholic Reformations in Europe, ca. 1300-1648. *Given in alternate years.*
Winter Trexler 2:20-3:20 p.m. Fowler 316

124-224. CONTEMPORARY EUROPE. Europe from World War I to the present.
Spring Rodes 1:15-2:15 p.m. Fowler 201

125. HISTORY OF ENGLAND. The nation and empire from Elizabeth I to Elizabeth II with emphasis upon the American background and relationship. *Given in alternate years.*
Spring Cohen 2:20-3:20 p.m. Fowler 202

126. GERMANY. 1493 to the present with emphasis on the nineteenth century.
Spring Rodes 10:00-11:00 a.m. Fowler 201

127-227. RUSSIA. Czarist and Soviet Russia, with emphasis on the period from Peter the Great to the present.

Winter Trexler Not given in 1966-67.

129. FRANCE. Political and cultural history of France from Francis I to the present, including Louis XIV, the eighteenth century, and the French Revolution. *Given in alternate years.*

Fall Rodes Not given in 1966-67.

130. GREAT TRADITIONS OF ORIENTAL CULTURES. Historical introduction to the cultural legacies of India, China, and Japan as a foundation for understanding modern and contemporary changes.

Fall Mok 10:00-11:00 a.m. Fowler 301

131. THE FAR EAST IN TRANSITION. From the opening of the Far East by European nations to the outbreak of the Second World War, with emphasis on the more modern period. The internal development and foreign relations of the Far Eastern countries. *Given in alternate years.*

Winter Mok 10:00-11:00 a.m. Fowler 302

134-234. POST-WAR FAR EAST. The Far East in the postwar world, its recent history and current problems.

Fall Mok 1:15-2:15 p.m. Fowler 201

135. CULTURAL RELATIONS BETWEEN THE ORIENT AND THE OCCIDENT I. Contacts between the West and the East which have led to cultural infiltration and influences. From the earliest periods to the end of the eighteenth century. *Given in alternate years.*

Winter Mok Not given in 1966-67.

136. CULTURAL RELATIONS BETWEEN THE ORIENT AND THE OCCIDENT II. Contacts between the West and the East which have led to cultural infiltration and influences. From eighteenth century to the present. *Given in alternate years.*

Spring Mok Not given in 1966-67.

137. IMPERIALISM AND NATIONALISM. History and development of imperialism in Asia; the colonial policies of the imperialistic nations; the rise of nationalism and the independence of Asian countries. *Given in alternate years.*

Spring Mok 3:25-4:25 p.m. Fowler 201

144-244. 20TH CENTURY LATIN AMERICA. Political, social, and economic history of the twenty republics, and analysis of current problems and international relations.

Fall Kroeber 7:45-8:45 a.m. Fowler 201

145-245. MEXICO AND THE CARIBBEAN. Emphasizes Mexico from the Aztec Empire to the present with comparative history of the circum-Caribbean peoples and republics. *Given in alternate years.*

Winter Kroeber 8:50-9:50 a.m. Fowler 127

146. ARGENTINA, BRAZIL, AND COLOMBIA. Since the Spanish conquest; with comparative history of other South American areas. *Given in alternate years.*

Winter Kroeber Not given in 1966-67.

160 THE BYZANTINE EMPIRE. The Roman Empire in the Near East from the triumph of Christianity in the fourth century to the capture of Constantinople by the Turks in 1453. *Given in alternate years.*

Fall Harris Not given in 1966-67.

HISTORY

162. THE NEAR EAST TO 1798. The history and civilization of the Islamic world from Muhammed to Napoleon. *Given in alternate years.*

Winter Harris Not given in 1966-67.

164-264. THE MODERN MIDDLE EAST. The Middle East in the nineteenth and twentieth centuries: the Arab states, Turkey, Iran, and Israel. *Given in alternate years.*

Spring Harris Not given in 1966-67.

166. PRE-COLONIAL AFRICA. Africa to the establishment of European colonies in the nineteenth century. *Given in alternate years.*

Winter Harris 10:00-11:00 a.m. Swan 30

168. MODERN AFRICA. Africa in the twentieth century. Colonialism, nationalism, and the establishment of independent states. *Given in alternate years.*

Spring Harris 8:50-9:50 a.m. Fowler 127

181-281. PROSEMINAR. *Open to seniors and graduates only.*

Fall Harris Section 1: The United States and the Middle East.
11:05 a.m.-12:20 p.m. Swan 10

Rolle Section 2: Biography, history and the behavioral studies.
8:50-9:50 a.m. Swan 30

182-282. PROSEMINAR. European revolutions. *Open to seniors and graduates only.*

Winter Rodes 11:05 a.m.-12:20 p.m. Swan 30

183-283. PROSEMINAR. Revolutionary process in Mexico since 1910. *Open to seniors and graduates only.*

Spring Kroeber 11:05 a.m.-12:20 p.m. Swan 10

199. HONORS.

Each Term The Staff Arrange Swan 20

301. RESEARCH. Independent research for qualified graduate students.

Each Term The Staff Arrange Swan 20

310. SEMINAR IN AMERICAN HISTORY. Research and intensive study in American nineteenth and twentieth century history.

Winter Rolle Tues. 7:00-10:00 p.m. Swan 30

311. SEMINAR IN EUROPEAN HISTORY. Research and intensive study in modern European history.

Fall Rodes Tues. 7:00-10:00 p.m. Swan 30

390. THESIS FOR MASTER OF ARTS DEGREE.

Each Term The Staff Arrange Swan 20

HISTORY OF CIVILIZATION

ASSOCIATE PROFESSOR WINTER, *Chairman*

PROFESSOR PERKINS, ASSOCIATE PROFESSOR SPENCER, MR. KITE
(*of the Department of Art*)

ASSISTANT PROFESSOR COLE, MR. HORTON, MR. OLSON
(*of the Department of Economics*)

ASSOCIATE PROFESSOR OWEN, MRS. ADELBERGER, MR. BRIER, MR. GIVLER,
MISS HOWELLS, MRS. KINDER, MR. MORITZ (*of the Department of English
and Comparative Literature*)

PROFESSOR KROEBER, PROFESSOR RODES, PROFESSOR ROLLE, ASSOCIATE
PROFESSOR HARRIS, ASSISTANT PROFESSOR COHEN, ASSISTANT PROFESSOR
TREXLER (*of the Department of History*)

ASSOCIATE PROFESSOR JONES, ASSOCIATE PROFESSOR LAURIDSEN
(*of the Department of Music*)

PROFESSOR GLOYN, ASSOCIATE PROFESSOR BEEBE, ASSOCIATE PROFESSOR
JOSSELYN, ASSOCIATE PROFESSOR LOFTSGORDON, ASSOCIATE PROFESSOR
SMYLIE, MR. HOBSON, MR. NEBLETT (*of the Department of Philosophy
and Religion*)

PROFESSOR MCKELVEY, PROFESSOR REATH, MR. PUGSLEY (*of the Department
of Political Science*)

PROFESSOR COLE, ASSOCIATE PROFESSOR SHENFELD (*of the Department
of Psychology*)

PROFESSOR SHELDON, ASSISTANT PROFESSOR LITTLETON, MR. HENRY
(*of the Department of Sociology and Anthropology*)

An integrated two-year study of the History of Civilization is given cooperatively by approximately thirty-five members of the Occidental faculty, each a specialist in one of the departments listed above. The course is based on the conviction that all phases and areas of a civilization are intimately interwoven and can be fruitfully studied together. To achieve a basic understanding of our cultural heritage, professors and students in this course jointly analyze each historical stage in terms of man's social, religious, economic, and political developments, and his artistic, musical, and literary achievements. Believing that the present moment in our history can be understood only superficially without a knowledge of our cultural past, Occidental College includes History of Civilization as an essential and integral part of every student's liberal arts program.

HISTORY OF CIVILIZATION

1. HISTORY OF CIVILIZATION. From prehistory through classical cultures to the Middle Ages. *Required of freshmen.*

Fall	Winter and Staff	Lectures: 8:50-9:50 a.m. Thorne Hall Discussion Groups: 1-10, Mon. 8:50-9:50 a.m. 11-17, Mon. 1:15-2:15 p.m. 18-24, Mon. 2:20-3:20 p.m. 25-30, Tues. 8:50-9:50 a.m.
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Discussion leaders and rooms to be announced

2. HISTORY OF CIVILIZATION. The Middle Ages. *Required of freshmen.*

Winter	Winter and Staff	Lectures: 8:50-9:50 a.m. Thorne Hall Discussion Groups: 1-10, Mon. 8:50-9:50 a.m. 11-17, Mon. 1:15-2:15 p.m. 18-24, Mon. 2:20-3:20 p.m. 25-30, Tues. 8:50-9:50 a.m.
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Discussion leaders and rooms to be announced

3. HISTORY OF CIVILIZATION. From the Renaissance to the Age of Reason. *Required of freshmen.*

Spring	Winter and Staff	Lectures: 8:50-9:50 a.m. Thorne Hall Discussion Groups: 1-10, Mon. 8:50-9:50 a.m. 11-17, Mon. 1:15-2:15 p.m. 18-22, Mon. 2:20-3:20 p.m. 23-30, Tues. 8:50-9:50 a.m.
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Discussion leaders and rooms to be announced

4. HISTORY OF CIVILIZATION. From the Age of Reason to Romanticism. *Required of sophomores. Prerequisite: History of Civilization 1, 2, 3, or equivalent.*

Fall	Winter and Staff	Lectures: 10:00-11:00 a.m. Thorne Hall Discussion Groups: 1-10, Thurs. 10:00-11:00 a.m. 11-16, Thurs. 1:15-2:15 p.m. 17-25, Thurs. 2:20-3:20 p.m. 26-30, Fri. 10:00-11:00 a.m.
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Discussion leaders and rooms to be announced

5. HISTORY OF CIVILIZATION. From Romanticism to World War I. *Required of sophomores.*

Winter	Winter and Staff	Lectures: 10:00-11:00 a.m. Thorne Hall Discussion Groups: 1-10, Thurs. 10:00-11:00 a.m. 11-17, Thurs. 1:15-2:15 p.m. 18-25, Thurs. 2:20-3:20 p.m. 26-30, Fri. 10:00-11:00 a.m.
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Discussion leaders and rooms to be announced

6. HISTORY OF CIVILIZATION. Recent trends in international relations, political and socio-economic history, and the humanities; current developments in the arts and social sciences in Europe, the United States, and other world areas. *Required of sophomores.*

Spring	Winter and Staff	Lectures: 10:00-11:00 a.m. Thorne Hall Discussion Groups: 1-10, Thurs. 10:00-11:00 a.m. 11-19, Thurs. 1:15-2:15 p.m. 20-26, Thurs. 2:20-3:20 p.m. 27-30, Fri. 10:00-11:00 a.m.
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Discussion leaders and rooms to be announced

HISTORY OF IDEAS

ASSOCIATE PROFESSOR WINTER (*of the Department of History of Civilization*)

51. AMERICAN SOCIAL HISTORY. An historical study of the character and values of the American people from colonial times to the present. *Given in alternate years.*

Winter Winter 3:25-4:25 p.m. Art 7

52. THE SOCIAL HISTORY OF AMERICAN ART. An historical study of American painting, music, literature, architecture, sculpture, and other arts as documents of social feeling and form. The relationship among the arts themselves and also between the arts and other social and intellectual movements, considered from colonial times to the present. *Given in alternate years.*

Spring Winter 3:25-4:25 p.m. Art 7

53. THE CITY IN HISTORY. A survey of the relationship of the city to the development of civilization. *Given in alternate years.*

Winter Winter Not given in 1966-67.

54. AMERICAN BIOGRAPHY. An examination of biography as an index to history. *Given in alternate years.*

Spring Winter Not given in 1966-67.

100. HISTORY OF AMERICAN THOUGHT. The principal movements in American intellectual history from colonial times to the present. *Given in alternate years.*

Fall Winter 3:25-4:25 p.m. Art 7

101. A HISTORY OF ESTHETICS. A study of the philosophy of beauty from Plato to Langer. *Given in alternate years.*

Fall Winter Not given in 1966-67.

LANGUAGES AND LINGUISTICS

PROFESSOR DOSTERT, *Chairman*

PROFESSOR BENTON

ASSOCIATE PROFESSOR BABCOCK

ASSISTANT PROFESSOR FREY

ASSISTANT PROFESSOR HAMEL

ASSISTANT PROFESSOR MAKKAH

MR. ALKIRE, *Instructor*

MR. HINGOT, *Instructor*

MISS REA, *Instructor*

The curriculum in foreign languages comprises three levels of instruction: the introductory and intermediate courses; the advanced and literature courses; the graduate courses leading the degree of Master of Arts in French, German or Spanish. Additionally, linguistics is offered as part of the department curriculum.

The objective of the introductory and intermediate courses is to give the student reasonable competence in the active use of the language in the spoken and written forms. Completion of the first four of these courses represents the minimum competence in foreign language required for the degree of Bachelor of Arts.

The advanced and literature courses introduce the student by means of period courses to the literature and culture of the respective languages.

Finally, graduate courses on genres, movements or authors constitute the program leading to the Master's degree. See pages 42-45 for requirements for this degree.

GROUP MAJOR: A minimum of four courses numbered above 100, including 101 and 102, in each of two languages chosen for the group major.

DEPARTMENTAL MAJORS: Offered in French, German and Spanish. The minimum requirement for a major consists of eight courses chosen in consultation with the major adviser from those numbered 101 through 120, listed under the respective language.

Certain courses in linguistics are recommended for departmental majors and for the Master's degree. Consult the chairman of the department for information.

LANGUAGES AND LINGUISTICS

HONORS: Majors in the department may qualify for Departmental Honors at graduation through individual study in depth of a literary figure, genre, or movement, including an honors thesis. Consult the department chairman concerning details.

FRENCH

1. ELEMENTARY FRENCH. Course conducted in French. Intensive oral drills, pronunciation, grammar, reading and introductory conversation.

<i>Fall</i>	Dostert and Staff	Section 1: 7:45-8:45 a.m.	Johnson 21
		Section 2: 7:45-8:45 a.m.	Johnson 23
	Rea and Staff	Section 3: 2:20-3:20 p.m.	Johnson 36
		Section 4: 2:20-3:20 p.m.	Johnson 39

2. ELEMENTARY FRENCH. Continuation of French 1.

<i>Winter</i>	Hingot and Staff	Section 1: 7:45-8:45 a.m.	Johnson 20
		Section 2: 7:45-8:45 a.m.	Johnson 21
	Hingot and Staff	Section 3: 2:20-3:20 p.m.	Johnson 36
		Section 4: 2:20-3:20 p.m.	Johnson 39

50. INTERMEDIATE FRENCH. Course conducted in French. Advanced grammar, composition and conversation. Introduction to contemporary culture. *Prerequisite: French 2 or equivalent.*

<i>Fall</i>	Hingot and Staff	Section 1: 7:45-8:45 a.m.	Fowler 127
		Section 2: 7:45-8:45 a.m.	Johnson 31
<i>Spring</i>	Dostert and Staff	Section 1: 7:45-8:45 a.m.	Johnson 31
		Section 2: 7:45-8:45 a.m.	Johnson 21
	Hingot and Staff	Section 3: 2:20-3:20 p.m.	Johnson 36
		Section 4: 2:20-3:20 p.m.	Johnson 39

51. INTERMEDIATE FRENCH. Continuation of French 50.

<i>Fall</i>	Dostert and Staff	Section 1: 11:05 a.m.-12:20 p.m.	Johnson 36
		Section 2: 11:05 a.m.-12:20 p.m.	Johnson 21
	Hingot and Staff	Section 3: 1:15-2:15 p.m.	Johnson 23
		Section 4: 1:15-2:15 p.m.	Alumni Hall
<i>Winter</i>	Rea and Staff	Section 1: 7:45-8:45 a.m.	Fowler 201
		Section 2: 7:45-8:45 a.m.	Fowler 301

101. ADVANCED FRENCH. Study of nineteenth century literary selections as the basis for advanced oral work, composition and the analysis of styles. *Prerequisite: French 51 or equivalent.*

<i>Winter</i>	Hingot	Section 1: 11:05 a.m.-12:20 p.m.	Alumni Hall
	Rea	Section 2: 1:15-2:15 p.m.	Fowler 201
<i>Spring</i>	Rea	1:15-2:15 p.m.	Mosher 3

102. ADVANCED FRENCH. Study of twentieth century literary selections as the basis for advanced oral work, composition and the analysis of styles. *Prerequisite: French 101 or equivalent.*

<i>Spring</i>	Rea	11:05 a.m.-12:20 p.m.	Johnson 39
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103. LITERATURE OF THE MIDDLE AGES AND THE RENAISSANCE. *Prerequisite: French 102. Given in alternate years.*

<i>Winter</i>	Dostert	11:05 a.m.-12:20 p.m.	Swan 200
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LANGUAGES AND LINGUISTICS

104-204. LITERATURE OF THE SEVENTEENTH CENTURY. *Prerequisite: French 102. Given in alternate years.*

Spring Hingot 11:05 a.m.-12:20 p.m. Swan 200

105. LITERATURE OF THE EIGHTEENTH CENTURY. *Prerequisite: French 102. Given in alternate years.*

Spring Dostert *Not given in 1966-67.*

106. LITERATURE, 1800-1850. *Prerequisite: French 102. Given in alternate years.*

Fall *Not given in 1966-67.*

107. LITERATURE, 1850-1900. *Prerequisite: French 102. Given in alternate years.*

Winter *Not given in 1966-67.*

108-208. LITERATURE OF THE TWENTIETH CENTURY. *Prerequisite: French 102. Given in alternate years.*

Fall Rea 1:15-2:15 p.m. Swan 200

110-210. SEMINAR IN PERIOD OR LITERARY GENRE. Offered in 1966-67: Parnassiens et Symbolistes. *Prerequisite: Senior standing or permission of instructor.*

Spring Dostert 3:25-4:25 p.m. Johnson 36

120-220. SEMINAR IN GENRE. *Prerequisite: Senior standing or permission of instructor.*

Fall Dostert *Not given in 1966-67.*

199. HONORS.

Each Term The Staff Arrange Johnson 26

301. RESEARCH. Independent research for qualified graduate students.

Each Term The Staff Arrange Johnson 26

330. SEMINAR IN MAJOR LITERARY FIGURES. Offered in 1966-67: Baudelaire.

Winter Dostert 3:25-4:25 p.m. Swan 200

390. THESIS FOR DEGREE OF MASTER OF ARTS.

Each Term The Staff Arrange Johnson 26

GERMAN

1. ELEMENTARY GERMAN. Course conducted in German. Intensive oral drills, pronunciation, grammar, reading and introductory conversation.

<i>Fall</i>	Babcock and Staff	Section 1: 7:45-8:45 a.m.	Johnson 36
		Section 2: 7:45-8:45 a.m.	Johnson 39
		Section 3: 1:15-2:15 p.m.	Johnson 36
		Section 4: 1:15-2:15 p.m.	Johnson 39

2. ELEMENTARY GERMAN. Course conducted in German. Continuation of German 1.

<i>Winter</i>	Frey and Staff	Section 1: 7:45-8:45 a.m.	Johnson 36
		Section 2: 7:45-8:45 a.m.	Johnson 39
		Section 3: 1:15-2:15 p.m.	Johnson 36
		Section 4: 1:15-2:15 p.m.	Johnson 39

50. INTERMEDIATE GERMAN. Course conducted in German. Reading and discussion of modern German prose and poetry, grammar review, composition and conversation. *Prerequisite: German 2 or equivalent.*

Fall Frey 1:15-2:15 p.m. Johnson 31

Spring Babcock and Staff Section 1: 7:45-8:45 a.m. Johnson 36
Section 2: 7:45-8:45 a.m. Johnson 39
Section 3: 1:15-2:15 p.m. Johnson 37
Section 4: 1:15-2:15 p.m. Johnson 39

51. INTERMEDIATE GERMAN. Course conducted in German. Continuation of German 50.

Fall Babcock and Staff Section 1: 11:05 a.m.-12:20 p.m. Johnson 39
Section 2: 11:05 a.m.-12:20 p.m. Fowler 401

Winter Babcock 1:15-2:15 p.m. Johnson 37

101. ADVANCED GERMAN. Composition, conversation and style; introduction to literary types; oral reports. *Prerequisite: German 51, or equivalent.*

Winter Frey 11:05 a.m.-12:20 p.m. Johnson 36

102. ADVANCED GERMAN. Continuation of German 101. *Prerequisite: German 101 or equivalent.*

Spring Frey 1:15-2:15 p.m. Johnson 36

103. THE ENLIGHTENMENT AND STORM AND STRESS. Lessing, and the early works of Goethe and Schiller. *Prerequisite: German 102, or consent of the instructor. Given in alternate years.*

Winter Babcock 3:25-4:25 p.m. Johnson 37

104. GERMAN CLASSICISM. Dramas and poetry of Goethe and Schiller; study of selected critical works. *Prerequisite: German 102, or consent of the instructor. Given in alternate years.*

Spring Babcock 11:05 a.m.-12:20 p.m. Swan 100

105. ROMANTICISM. Representative literature of the Romantic movement in Germany. *Prerequisite: German 102 or consent of the instructor. Given in alternate years.*

Winter Babcock Not given in 1966-67.

106. REALISM AND NATURALISM. Survey of German literature from 1830 to 1900. *Prerequisite: German 102 or consent of the instructor. Given in alternate years.*

Spring Babcock Not given in 1966-67.

107. IMPRESSIONISM AND EXPRESSIONISM. Representative works of German literature between 1900 and 1933. *Prerequisite: German 102 or consent of the instructor. Given in alternate years.*

Fall Frey Not given in 1966-67.

108-208. CONTEMPORARY LITERATURE. Representative works of German literature since World War II. *Prerequisite: German 102 or consent of the instructor. Given in alternate years.*

Fall Frey 3:25-4:25 p.m. Swan 200

110-210. SEMINAR IN PERIOD OR MOVEMENT. Study of the character and literature of a particular period or movement. Offered in 1966-67: Storm and Stress. *Given in alternate years.*

Spring Frey 3:25-4:25 p.m. Johnson 37

LANGUAGES AND LINGUISTICS

120-220. SEMINAR IN GENRE. An examination of the development and the character of a particular literary genre. *Given in alternate years.*

Winter Babcock Not given in 1966-67.

199. HONORS.

Each Term The Staff Arrange Johnson 38

301. RESEARCH. Independent research for qualified graduate students.

Each Term The Staff Arrange Johnson 38

330. SEMINAR IN A MAJOR FIGURE. A study in depth of the work of a major writer.

Spring Frey Not given in 1966-67.

390. THESIS FOR DEGREE OF MASTER OF ARTS.

Each Term The Staff Arrange Johnson 38

RUSSIAN

1. ELEMENTARY RUSSIAN. The alphabet, writing, pronunciation, and grammar. Intensive oral drills and conversation.

Fall Alkire 7:45-8:45 a.m. Swan 30

2. ELEMENTARY RUSSIAN. Continuation of Russian 1.

Winter Alkire 7:45-8:45 a.m. Swan 30

50. INTERMEDIATE RUSSIAN. Continuation of Russian 2. *Prerequisite: Russian 2, or equivalent.*

Spring Alkire 7:45-8:45 a.m. Swan 30

51. INTERMEDIATE RUSSIAN. Continuation of Russian 50. *Prerequisite: Russian 50 or equivalent.*

Fall Makkai 11:05 a.m.-12:20 p.m. Alumni Gymnasium 14

101. ADVANCED RUSSIAN. Grammar, composition and conversation; introduction to Russian literary types. *Prerequisite: Russian 51 or equivalent.*

Winter Makkai 11:05 a.m.-12:20 p.m. Swan 100

102. ADVANCED RUSSIAN. Continuation of Russian 101. *Prerequisite: Russian 101 or equivalent.*

Spring Makkai 11:05 a.m.-12:20 p.m. Fowler 401

103. THE AGE OF CLASSICISM. Lomonosov; the poetry of Derzhavin; Fonvizin; the satirical journals; Krylov; Karamzin. *Prerequisite: Russian 102 or equivalent.*

Fall Alkire 8:50-9:50 a.m. Swan 100

104. PUSHKIN AND HIS CONTEMPORARIES. Zhukovsky; the poetry and prose of Pushkin; "Gore ot uma"; Lermontov; Gogol. *Prerequisite: Russian 102 or equivalent.*

Winter Alkire 8:50-9:50 a.m. Swan 100

105. RUSSIAN REALISTIC FICTION. Aksakov; Goncharov; Turgenev; Dostoevsky, Tolstoy; Chekov. *Prerequisite: Russian 102 or equivalent.*

Spring Alkire 8:50-9:50 a.m. Swan 100

LANGUAGES AND LINGUISTICS

SPANISH

1. ELEMENTARY SPANISH. Course conducted in Spanish. Intensive oral drills, pronunciation, grammar, reading and introductory conversation.

Fall	Hamel and Staff	Section 1: 7:45-8:45 a.m.	Alumni Gymnasium 16
		Section 2: 7:45-8:45 a.m.	Alumni Gymnasium 17

2. ELEMENTARY SPANISH. Continuation of Spanish 1.

Winter	Hamel and Staff	Section 1: 7:45-8:45 a.m.	Alumni Gymnasium 16
		Section 2: 7:45-8:45 a.m.	Alumni Gymnasium 17

50. INTERMEDIATE SPANISH. Course conducted in Spanish. Grammar, composition and conversation; discussion in Spanish of literary texts. *Prerequisite: Spanish 2 or equivalent.*

Fall	Hamel and Staff	1:15-2:15 p.m.	Fowler 301
Spring	 and Staff	Section 1: 7:45-8:45 a.m.	Johnson 20
		Section 2: 7:45-8:45 a.m.	Johnson 37

51. INTERMEDIATE SPANISH. Course conducted in Spanish. Continuation of Spanish 50.

Fall	Hamel and Staff	11:05 a.m.-12:20 p.m.	Johnson 37
Winter	Hamel and Staff	11:05 a.m.-12:20 p.m.	Johnson 37

101. ADVANCED SPANISH. Grammar, composition, conversation; introduction to literary genres; survey of the growth and development of Spanish civilization. *Prerequisite: Spanish 51 or equivalent.*

Winter	Hamel	1:15-2:15 p.m.	Swan 30
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102. ADVANCED SPANISH. Continuation of Spanish 101. *Prerequisite: Spanish 101 or equivalent.*

Spring	Hamel	1:15-2:15 p.m.	Fowler 127
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103. SURVEY OF SPANISH LITERATURE. From the twelfth century to Cervantes. *Prerequisite: Spanish 102 or equivalent. Given in alternate years.*

Fall	Benton	2:20-3:20 p.m.	Swan 30
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104. SURVEY OF SPANISH LITERATURE. From Cervantes to the death of Calderon. *Prerequisite: Spanish 102 or equivalent. Given in alternate years.*

Winter	Benton	2:20-3:20 p.m.	Swan 30
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105. MODERN SPANISH LITERATURE. From 1700 to the period of Romanticism. *Prerequisite: Spanish 102 or equivalent. Given in alternate years.*

Spring	Hamel	2:20-3:20 p.m.	Alumni Gymnasium 16
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106. MODERN SPANISH LITERATURE. From the second half of the nineteenth century to the present. *Prerequisite: Spanish 102 or equivalent. Given in alternate years.*

Fall		Not given in 1966-67.
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107. SPANISH-AMERICAN LITERATURE. From the time of the Spanish conquest to the end of the nineteenth century. *Prerequisite: Spanish 102 or equivalent. Given in alternate years.*

Winter	Benton	Not given in 1966-67.
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LANGUAGES AND LINGUISTICS

108. SPANISH-AMERICAN LITERATURE. From Modernismo to the present. *Prerequisite: Spanish 102 or equivalent. Given in alternate years.*
Spring Benton *Not given in 1966-67.*

110-210. SEMINAR IN PERIOD OR LITERARY MOVEMENT. Offered in 1966-67: Cervantes.

Winter Benton 3:25-4:25 p.m. Swan 30

120-220. SEMINAR IN GENRE. Offered in 1966-67: The modern Spanish-American short story.

Fall Benton 3:25-4:25 p.m. Swan 30

199. HONORS.

Each Term The Staff Arrange Johnson 20B

301. RESEARCH. Independent research for qualified graduate students.

Each Term The Staff Arrange Johnson 20B

330. SEMINAR IN MAJOR FIGURE.

Winter *Not given in 1966-67.*

390. THESIS FOR DEGREE OF MASTER OF ARTS.

Each Term The Staff Arrange Johnson 20B

LINGUISTICS

Courses in linguistics are open to students from other departments, subject to permission of the instructor. They are recommended for language majors. Anthropology 150 (Language and Culture) and 151-251 (Historical Linguistics) supplement the work given in this department.

100. LINGUISTIC SCIENCE I. The scope and objectives of contemporary descriptive linguistics.

Fall Makkai 1:15-2:15 p.m. Johnson 37

101. LINGUISTIC SCIENCE II. Continuation. *Prerequisite: Linguistics 100 or equivalent.*

Winter Makkai 1:15-2:15 p.m. ROTC 2

110. PHONETICS AND PHONEMICS. Introduction to field methods. *Prerequisite: Linguistics 101 or permission of the instructor.*

Spring Makkai 1:15-2:15 p.m. Swan 200

120-220. LINGUISTICS AND SECOND LANGUAGE TEACHING. The application of certain aspects of linguistics to foreign language teaching. Use of audio aides in language teaching. *Prerequisite: Linguistics 101 or permission of the instructor.*

Spring Dostert 11:05 a.m.-12:20 p.m. Alumni Gymnasium 14

MATHEMATICS

PROFESSOR SEEKINS, *Chairman*

PROFESSOR BARNES

PROFESSOR CULLEY

ASSISTANT PROFESSOR ROBERTSON

ASSISTANT PROFESSOR SANDERS

ASSISTANT PROFESSOR MOSCHOVAKIS

The Department of Mathematics aims (1) to offer to all students the fundamental cultural values of mathematics, (2) to provide the necessary mathematical tools for students of scientific and technical subjects, (3) to give preparation to those students who look toward professional mathematics after graduation in teaching, in research, in government service, or in industrial applications.

A modern computing center, featuring an IBM 1620, Model II, is available for student use. A fractional course in Programming and Applications (Mathematics X₄) is offered each term.

MAJOR: Ten courses from this department: Mathematics 21, 22, 23, 111, 112, 115, 121 or 122, 125 or 126, 150 and one additional course to be chosen in consultation with the major adviser.

Students thinking of majoring in mathematics are urged to try to schedule it their freshman year. Prospective freshmen are urged to prepare thoroughly in high school so they may qualify for Mathematics 21.

X₄ COMPUTER PROGRAMMING AND APPLICATIONS. *Credit for one term only.*

Each Term 1/6 course Robertson, Seekins Arrange

Swan Computer Laboratory

20. ELEMENTARY ANALYSIS. Functions, graphs, algebra.

Spring Barnes 7:45-8:45 a.m. and Arrange Fowler 301

21. ANALYTIC GEOMETRY AND CALCULUS I. The elements of beginning calculus: derivatives, integrals, elementary functions, and vectors, with applications. *Prerequisite: Permission of the department chairman.*

Fall Robertson Section 1: 7:45-8:45 a.m. and Arrange Mosher 1

Barnes Section 2: 7:45-8:45 a.m. and Arrange Alumni Hall

22. ANALYTIC GEOMETRY AND CALCULUS II. Continuation. *Prerequisite: Mathematics 21.*

Winter Seekins 7:45-8:45 a.m. and Arrange Mosher 1

22H. ANALYTIC GEOMETRY AND CALCULUS I, II. An intensive course, covering in one term the material of Mathematics 21 and 22. Intended for students with previous work in calculus, through Advanced Placement or other courses. *Prerequisite: Permission of the instructor.*

Fall Moschovakis 7:45-8:45 a.m. Fowler 316

MATHEMATICS

23. ANALYTIC GEOMETRY AND CALCULUS III. Continuation. *Prerequisite: Mathematics 22 or 22 H.*

Spring Moschovakis 7:45-8:45 a.m. and Arrange Mosher 1

51. DIFFERENTIAL EQUATIONS. Methods of solution of differential equations, with applications. *Prerequisite: Mathematics 23.*

Fall Seekins 7:45-8:45 a.m. and Arrange Fowler 301

101. BASIC CONCEPTS OF MATHEMATICS I. The fundamentals of elementary mathematics: postulate, number, operations, sets. *Intended for non-majors.*

Winter Robertson 8:50-9:50 a.m. Fowler 301

102. BASIC CONCEPTS OF MATHEMATICS II. Continuation. *Prerequisite: Mathematics 101.*

Spring Seekins 8:50-9:50 a.m. Fowler 301

110. NUMERICAL ANALYSIS. Methods of obtaining numerical solutions of equations, including differential equations, with applications to high speed computers. *Prerequisite: Mathematics X4, 51.*

Spring Robertson 7:45-8:45 a.m. Fowler 316

111. ADVANCED ANALYSIS I. Advanced Calculus: Theory of limits, higher functions, vector calculus, line and surface integrals, theory of complex variables. *Prerequisite: Mathematics 23.*

Winter Barnes 8:50-9:50 a.m. and Arrange Fowler 316

112. ADVANCED ANALYSIS II. Continuation. *Prerequisite: Mathematics 111.*

Spring Sanders 8:50-9:50 a.m. Fowler 316

113. ADVANCED ANALYSIS III. Continuation. *Prerequisite: Mathematics 112.*

Winter Moschovakis 11:05 a.m.-12:20 p.m. Fowler 316

115. PROBABILITY. The application of calculus to the theory of probability. *Prerequisite: Mathematics 23.*

Fall Sanders 8:50-9:50 a.m. and Arrange Fowler 316

119. STATISTICS. Comprehensive study of measures of central tendency, variation, the normal curve, significance of difference and linear correlation.

Each Term Culley 11:05 a.m.-12:20 p.m. Fowler 302

120. PROBABILITY AND STATISTICS. *Prerequisite: Mathematics 20 or equivalent.*

Winter Sanders 11:05 a.m.-12:20 p.m. Fowler 301

Spring Sanders 11:05 a.m.-12:20 p.m. Fowler 202

121. MATRIX THEORY. Matrices and linear transformations. *Prerequisite: Mathematics 23.*

Fall Moschovakis 10:00-11:00 a.m. Fowler 316

122-222. MODERN ALGEBRA. The theory of groups, rings, and fields. *Given in alternate years. Prerequisite: Mathematics 23.*

Spring Seekins 10:00-11:00 a.m. Fowler 316

125-225. HIGHER GEOMETRY. Various geometries: projective, affine, euclidean. *Prerequisite: Mathematics 23.*

Winter Moschovakis 10:00-11:00 a.m. Fowler 316

126. TOPOLOGY. Point set topology. *Given in alternate years. Prerequisite: Mathematics 23.*

Spring Moschovakis Not given in 1966-67.

150-250. SEMINAR. *Prerequisite: Permission of department.*

Spring Barnes 11:05 a.m.-12:20 p.m. Fowler 316

MUSIC

PROFESSOR SWAN, *Chairman*

PROFESSOR GROSS

ASSOCIATE PROFESSOR FRODSHAM

ASSOCIATE PROFESSOR JONES

ASSOCIATE PROFESSOR LAURIDSEN

ASSOCIATE PROFESSOR McKERNAN

By Special Appointment: MR. ALLER, MISS BAUM, MR. DI TULLIO, MR. MADER, MR. MUGGERIDGE, MR. NOWLIN, MR. PRICHARD, MR. PYLE, MR. REMSEN, DR. ROBERTS, MR. SABIN, MISS SCHOENFELD, MR. STEVENS

The purpose of the Music Department is the advancement of the appreciation and expression of this art among students who desire to become performers, composers, teachers, or simply intelligent lovers of music. The curricular work accordingly is planned for all these types; individual instruction is made available in piano, voice, organ, violin, cello, and other instruments; and group instruction is offered in choral and instrumental organizations. Adequate opportunity for public appearance is an essential part of the program of this department.

MAJOR: Twelve courses from this department chosen in consultation with the major adviser. The following courses are required of all majors: Music 14, 15, 16, 17, 18, 104, 105, 106. Proficiency in piano must be established before the senior year. Additional courses will be chosen according to one of the areas of musical emphasis:

(A) COMPOSITION: Music 109, 110, 111, 118.

(B) PERFORMANCE:

Conducting: Music 132, 133 and two courses from the following chosen in consultation with a faculty adviser: Music 118, 131, 134, 137, 139, X161, X162, X163, or three terms of applied music, both lessons and ensemble.

Recital: 140 for three terms.

MUSIC

HONORS: Qualified majors may achieve Departmental Honors at graduation through completion of a program which includes independent study and a recital or composition of unusual merit. Students normally enter this program at the beginning of the junior year. Consult the department chairman for details.

THEORETICAL MUSIC

14. **COUNTERPOINT.** Melody writing, organum, two and three voice specie counterpoint, two-part invention, canon, round.

Fall Lauridsen 11:05 a.m.-12:20 p.m. Music-Speech 26

15. **HARMONY I.** Triads, harmonization of melodies, four-part hymn writing, figured bass realization.

Winter McKernan 11:05 a.m.-12:20 p.m. Music-Speech 33

16. **HARMONY II.** Modulation, embellishing tones and chords, chorales, part-song forms.

Spring Lauridsen 7:45-8:45 a.m. Music-Speech 27

17. **ADVANCED HARMONY AND COUNTERPOINT.** Chromatic and polytonal harmony, analysis, fugue.

Fall Lauridsen 7:45-8:45 a.m. Music-Speech 33

18. **ORCHESTRATION.** Essential characteristics of instruments. Practice in scoring for string, woodwind, brass and percussion in choirs and in combination. Arranging for voice alone, and in combination with instruments. *Prerequisite: permission of the instructor.*

Winter Jones 11:05 a.m.-12:20 p.m. Music-Speech 26

102. **MUSIC IN THE AMERICAS.** A non-technical approach to the understanding of contemporary music of the Americas. Field trips, concerts, guest artists and composers.

Spring McKernan 7:45-8:45 a.m. Music-Speech 26

104. **LITERATURE AND MATERIALS I.** An integrated course, combining the music history of a given period with an analysis of the styles and techniques developed. From the Greeks through the early eighteenth century. *Prerequisite: Music 18.*

Spring Jones 11:05 a.m.-12:20 p.m. Music-Speech 27

105. **LITERATURE AND MATERIALS II.** Late eighteenth and nineteenth centuries. Detailed analyses of Classic and Romantic forms and styles. Chromaticism and Cyclicism. *Prerequisite: Music 104.*

Fall Gross 7:45-8:45 a.m. Music-Speech 27

106. **LITERATURE AND MATERIALS III.** The first half of the twentieth century. The new tonal systems of Debussy, Schoenberg, Hindemith, Bartok, and the forms and techniques of their music. Significant developments in music in the Americas. Serialism, chance-music, and other current experimentation. *Prerequisite: Music 105.*

Winter Gross 7:45-8:45 a.m. Music-Speech 27

107. MASTERWORKS OF MUSIC I. Great compositions of the Renaissance through the Classical periods studied by using the techniques of listening, discussion and analysis. Emphasis on great composers from Palestrina and Byrd to Bach, Mozart and Haydn. Designed for non-music majors.

Fall Jones 11:05 a.m.-12:20 p.m. Music-Speech 27

108. MASTERWORKS OF MUSIC II. Emphasis on 19th century composers, Beethoven, Schubert, Chopin, Schumann, Brahms and Strauss, and their contemporaries. Concerts and criticism. For non-music majors.

Winter Lauridsen 11:05 a.m.-12:20 p.m. Music-Speech 27

109-209. COMPOSITION SEMINAR I. Writing exercises to develop technique and facility with particular attention paid to melodic, harmonic and rhythmic idioms and forms developed in this century. Individual creative projects, including composition in many of the large instrumental and vocal forms. *Prerequisite: Music 104, or approved equivalent.*

Fall Gross 8:50-9:50 a.m. Music-Speech 25

110-210. COMPOSITION SEMINAR II. Continuation.

Spring Gross 8:50-9:50 a.m. Music-Speech 25

111-211. COMPOSITION SEMINAR III. Continuation. *Prerequisite: Music 109, 110.*

Fall Gross 8:50-9:50 a.m. Music-Speech 25

Spring Gross 8:50-9:50 a.m. Music-Speech 25

118-218. ADVANCED ORCHESTRATION. Scoring for orchestra and for other vocal and instrumental groups. *Given in alternate years.*

Winter Gross 8:50-9:50 a.m. Music-Speech 25

131. HISTORY OF CHURCH MUSIC. A non-technical course in the history and practice of music in the worship of the Christian Church. Visiting Clergy, lecturers, field trips to leading churches of the community.

Fall Frodsham 1:15-2:15 p.m. Music-Speech 26

132. CONDUCTING. Baton techniques. Practice in conducting both choral and instrumental ensembles. Score reading.

Fall McKernan, Swan 1:15-2:15 p.m. Music-Speech 27

133. CONDUCTING. Rehearsal problems; interpretation; score reading, organizational techniques. *Prerequisite: Music 132.*

Winter Jones, Swan 1:15-2:15 p.m. Music-Speech 27

134-234. CHORAL MUSIC SEMINAR. Studies in interpretation and advanced conducting. Chorus organization and rehearsal procedures. Vocal methods. *Prerequisite: Music 14, 15, 133, or approved equivalent.*

Spring Swan 1:15-2:15 p.m. Music-Speech 27

137-237. INSTRUMENTAL MUSIC SEMINAR. Survey of research resources in instrumental music; advanced conducting and interpretation of baroque, classical, romantic and contemporary styles. Special studies in instrumental technique. *Prerequisite: Music 133.*

Spring Jones 2:20-3:20 p.m. Music-Speech 26

MUSIC

139-239. CHORAL LITERATURE. Selected choral compositions representing traditional periods of music history. Choral music of the 14th and 15th centuries, the renaissance, the baroque, classic, and romantic periods and the twentieth century will be given critical analysis with respect to elements of style and interpretation. Performance practice. *Prerequisite: Music 133.*

Fall Swan 2:20-3:20 p.m. Music-Speech 27

140. RECITAL PERFORMANCE AND RESEARCH. A minimum of two private lessons per week in applied music, participation in two ensembles appropriate to the field of concentration and independent research on problems of performance. May be repeated for maximum credit of three courses.

Each Term The Staff Arrange Music-Speech 23

199. HONORS. Presentation of a senior thesis, composition or recital of unusual distinction and merit.

Each Term The Staff Arrange Music-Speech 23

301. RESEARCH. Supervised investigation by Master of Arts candidates.

Each Term The Staff Arrange Music-Speech 23

312. SEMINAR. Problems in musicology. Research techniques. Individual assignments. *Given in alternate years.*

Winter Gross Not given in 1966-67.

390. THESIS FOR MASTER OF ARTS DEGREE.

Each Term The Staff Arrange Music-Speech 23

LABORATORY COURSES

One-sixth course credit may be earned for each laboratory. See page 35 concerning credit for fractional courses.

X14. SIGHTSINGING AND DICTATION LABORATORY I. Music fundamentals: clefs, keys, rhythmic notation, basic sightsinging and dictation for ear training. Open to non-music majors.

Fall McKernan Arrange Music-Speech 23

X15. SIGHTSINGING AND DICTATION LABORATORY II. Continuation. *Prerequisite: Music X14.*

Winter McKernan Arrange Music-Speech 23

X161. INSTRUMENTS LABORATORY I. Beginning instruction in performance on strings. Open to non-music majors.

Fall McKernan Tues.-Thurs. 3:25-4:25 p.m. Music-Speech 26

X162. INSTRUMENTS LABORATORY II. Beginning instruction in performance on woodwinds. Open to non-music majors.

Winter McKernan Tues.-Thurs. 3:25-4:25 p.m. Music-Speech 26

X163. INSTRUMENTS LABORATORY III. Beginning instruction in performance on brass and percussion instruments. Open to non-music majors.

Spring McKernan Tues.-Thurs. 3:25-4:25 p.m. Music-Speech 26

APPLIED MUSIC

A student may register in applied music for credit toward the degree of Bachelor of Arts or Master of Arts on authorization of the chairman of the department and may complete such registration (1) for individual lessons with consent of the instructor, and (2) for membership in the various ensemble groups by passing tryouts as announced. One-sixth course may be earned each term for 10 half-hour private lessons, or for each ensemble group. Piano classes meet for two hours weekly and students may earn one-sixth course credit per term. Not more than two fractional courses may be taken in any one term, and a total of not more than two full courses toward the degree may be earned by means of accumulation of such fractional courses. See page 35 concerning credit for fractional courses.

BEGINNING AND INTERMEDIATE COURSES

X30, X31, X32, X33, X34, X35.	CLASS LESSONS
X40, X41, X42, X43, X44, X45.	INDIVIDUAL LESSONS
X50, X51, X52, X53, X54, X55.	VOCAL AND INSTRUMENTAL ENSEMBLES

ADVANCED COURSES

X130, X131, X132, X133, X134, X135.	CLASS LESSONS
X140, X141, X142, X143, X144, X145.	INDIVIDUAL LESSONS
X150, X151, X152, X153, X154, X155.	VOCAL AND INSTRUMENTAL ENSEMBLES

GRADUATE COURSES

X340, X341, X342, X343, X344, X345.	INDIVIDUAL LESSONS
X350, X351, X352, X353, X354, X355.	VOCAL AND INSTRUMENTAL ENSEMBLES

Instruction is available each term in the following fields (class hours are to be arranged at Music Department Office, Music-Speech 24, unless otherwise indicated):

PIANO	ALLER, PRICHARD
HARPSICHORD	PRICHARD
*ORGAN	MADER
VOICE	FRODSHAM, LAURIDSEN, ROBERTS, SWAN
VIOLIN	GROSS, SCHOENFELD
BASSOON	NOWLIN
CELLO	DI TULLIO
CLARINET	SABIN
FLUTE	STEVENS
FRENCH HORN	PYLE
OBOE	MUGGERIDGE
TRUMPET	REMSEN
HARP	BAUM

*Present limited facilities preclude the instruction and practice time for more than fifteen organ students on the campus. Students will be admitted to the department by examination. Preference will be given to beginning students who demonstrate the best piano and musical background, and to organ students who possess the greatest aptitude for their instrument.

MUSIC

COLLEGE CHOIR		SWAN
Tues.-Wed. 4:30-5:30 p.m.	Music-Speech 27	
GLEE CLUBS		SWAN
Mon.-Thurs. 4:30-5:30 p.m.;		
Tues. 6:30-8:30 p.m.	Music-Speech 27	
ORCHESTRA		JONES
Mon. 4:30-5:30 p.m.; Wed. 7:00-9:00 p.m.	Music-Speech 26	
WIND ENSEMBLE		MC KERNAN
Tues., Thurs., Fri. 4:30-5:30 p.m.	Music-Speech 26	
INSTRUMENTAL ENSEMBLES		GROSS
Arrange	Music-Speech 25	
PIANO CLASSES		PRICHARD
Beginning: Section 1: Mon.-Wed. 3:25-4:25 p.m.	Music-Speech 22	
Section 2: Mon.-Wed. 4:30-5:30 p.m.	Music-Speech 22	
Intermediate Wed.-Fri. 8:50-9:50 a.m.	Music-Speech 22	
Piano Ensemble 8:50-9:50 a.m.	Music-Speech 16	

APPLIED MUSIC WITHOUT CREDIT

Instruction in Applied Music without credit is available to any college student, and to pupils not regularly enrolled in the college when unused facilities exist, upon written authorization of the director and payment of fees as listed below.

MUSIC FEES

Payable upon notice from Comptroller's Office

One half-hour lesson, weekly (ten lessons in the term)	\$60.00
Piano class lesson, two hours weekly, fee to each individual	12.00
*Practice Fee for Use of Thorne Hall Organ	
Ten hours per term (one weekly)	7.00
*Practice Fee For Use of all other Organs	
Ten hours per term (one weekly)	4.00
Registration Fee for any pupils accepted outside college enrollment	5.00

*One such practice period is allowed each student registered for applied music with the payment of his college tuition fee. The practice fees here listed are for students who need time beyond this minimum.

PHILOSOPHY AND RELIGION

PROFESSOR GLOYN, *Chairman*

ASSOCIATE PROFESSOR BEEBE

ASSOCIATE PROFESSOR JOSSELYN

ASSOCIATE PROFESSOR SMYLIE

ASSOCIATE PROFESSOR LOFTSGORDON

MR. HOBSON, *Instructor*

MR. LAUTER, *Instructor*¹

MR. NEBLETT, *Visiting Instructor*

Courses in Philosophy seek to discover and to evaluate the general criteria men use to distinguish between meaningful and meaningless sentences, true and false propositions, valid and invalid arguments, real and unreal phenomena, good and bad conduct, and beautiful and ugly experiences. Philosophers often use these criteria to construct world-views comprehending wide areas of knowledge and experience. Courses in Religion examine the origin, nature, literature, and history of the world's great religions and their relation to the civilizations of which they were and are a part. Special attention is given to the religious literature and to the intellectual and social problems of western Christian civilization.

The major in Philosophy is a suitable preparation for graduate work in many fields, but particularly in law, the social sciences, the humanities, and religion. The major in Religion provides a broadly based familiarity with the literature and thought of western Christian civilization and its relationships with other great religions and is suitable, therefore, for the liberal arts student. It also prepares those students who intend to take work in the humanities, social sciences, theology, or church vocations at the graduate level.

MAJOR IN PHILOSOPHY: Ten courses including Philosophy 1, 25, 101, 102, 103, 123, 126, 135; and two courses chosen from Philosophy 104, 121, 131, 132, Religion 155, Political Science 140.

MAJOR IN RELIGION: Eleven courses, including Religion 11 and 12, 128, 133, 134, 154, 155, 190, and Philosophy 1; either Philosophy 104 or Religion 122; and one course chosen from Religion 159, 160, 161. With special permission

¹On leave of absence for the year, 1966-67.

PHILOSOPHY AND RELIGION

from the Chairman of the Department, Religion 1 or Religion 2 may be substituted for Religion 11 and 12.

The Department of Religion is supported in part by income from the Mary H. and David B. Gamble gift to endowment of \$100,000 and by the Mary D. Synnott Bible Chair Fund. In addition, the income from the Hunter and the Harvey Roney Memorial endowment funds, which total \$2,145, is available for support of the Chaplain's office.

PHILOSOPHY

1. INTRODUCTION TO PHILOSOPHY. The terms, concepts and problems of philosophy. Practice in the philosophic method.

<i>Fall</i>	Loftsgordon 11:05 a.m.-12:20 p.m.	Mosher 3
<i>Winter</i>	Neblett 11:05 a.m.-12:20 p.m.	Mosher 3
<i>Spring</i>	Loftsgordon 11:05 a.m.-12:20 p.m.	Johnson 25

25. LOGIC AND LANGUAGE. Formal logic, the proposition and the syllogism; introduction to symbolic logic, truth-tables, rules of inference and replacement, propositional functions; the function of language, informal fallacies; induction, the logic of scientific method.

Winter Loftsgordon 1:15-2:15 p.m. Mosher 3

101-201. HISTORY OF PHILOSOPHY. Development of European thought through the work of the principal philosophers. Early Greek to the Renaissance.

Fall Gloyn 2:20-3:20 p.m. Fowler 302

102-202. HISTORY OF PHILOSOPHY. Development of European thought through the work of the principal philosophers. From the Renaissance to the late 19th Century.

Winter Gloyn 2:20-3:20 p.m. Fowler 301

103-203. CONTEMPORARY PHILOSOPHIES. A survey of recent "movements" in British and American philosophy, principally idealism, existentialism, pragmatism, realism, logical atomism, logical positivism, and ordinary language philosophy.

Spring Loftsgordon 2:20-3:20 p.m. Fowler 302

104. PHILOSOPHY OF RELIGION. Some of the perennial problems of religion: the nature of religion, the problem of evil, the relation of religion to scientific inquiry, the nature of religious experience, analysis of religious language.

Winter Gloyn *Not given in 1966-67.*

121. THE MAKING OF THE MODERN MIND. An analytical survey of the history of thought in science, art, literature, economics, politics, philosophy, morals, and religion, indicating the underlying unity of these fields.

<i>Fall</i>	Gloyn 10:00-11:00 a.m.	Johnson 39
<i>Spring</i>	Gloyn 11:05 a.m.-12:20 p.m.	Fowler 127

123. ETHICS. A critical consideration of philosophies of evaluation, both classical and contemporary. Primary attention is given to theories of moral evaluation,

PHILOSOPHY AND RELIGION

dealing both with the traditional search for a universal moral standard and with present-day metaethical theory.

Fall Loftsgordon 1:15-2:15 p.m. Mosher 3

126. **PHILOSOPHY OF SCIENCE.** An examination of some basic problems inherent in the nature of scientific inquiry and scientific knowledge; the construction and validation of scientific hypotheses and theories, the role of logic and mathematics in empirical science, types of scientific explanation and understanding, the relevance of science to valuation. *Prerequisite: Philosophy 1 or permission of the instructor.*

Winter Gloyn 10:00-11:00 a.m. Johnson 36

131. **INDIAN PHILOSOPHY.** The more important thinkers and schools of philosophy which have dominated the thought and life of India.

Winter Mok* *Not given in 1966-67.*

132. **CHINESE PHILOSOPHY.** The more important thinkers and schools of philosophy which have dominated the thought and life of China.

Winter Mok* 1:15-2:15 p.m. Fowler 302

135. **SEMINAR ON MAJOR FIGURE.** Detailed study of the writings of one major figure in philosophy: e.g., Kant, Hume, Hegel. *Limited to seniors.*

Spring Neblett 10:00-11:00 a.m. Johnson 37

RELIGION

1. **LITERATURE OF THE BIBLE.** A survey of Biblical Literature, in the order in which it was written, with special attention to historical background, the purpose and message of the various authors, the development of great religious ideas, and the continuing religious values of the Bible for our day.

Fall Beebe 1:15-2:15 p.m. Johnson 25

Winter Hobson 1:15-2:15 p.m. Johnson 25

Spring Beebe Section 1: 7:45-8:45 a.m. Johnson 25

Hobson Section 2: 1:15-2:15 p.m. Johnson 25

2. **INTRODUCTION TO THE JUDEO-CHRISTIAN TRADITION.** A description of the Judeo-Christian tradition citing its sources, its use of religious language, and its understandings of community, man, Jesus, history, and religious practices.

Fall Josselyn 2:20-3:20 p.m. Johnson 25

Winter Josselyn 2:20-3:20 p.m. Johnson 25

Spring Josselyn 2:20-3:20 p.m. Johnson 25

11. **LITERATURE OF THE OLD TESTAMENT.** A more thorough study than in Religion 1 of the literature of the Old Testament.

Fall Beebe 7:45-8:45 a.m. Johnson 25

12. **LITERATURE OF THE NEW TESTAMENT.** A more thorough study than in Religion 1 of the literature of the New Testament.

Winter Hobson 7:45-8:45 a.m. Johnson 25

*Of the Department of History.

PHILOSOPHY AND RELIGION

122. **PSYCHOLOGICAL ASPECTS OF RELIGION.** Religious faith, belief, experience, and practices in terms of psychological understanding. Special emphasis on the development of religious personality. *Prerequisite: Religion 1, 11 or 12.*

Winter Beebe 11:05 a.m.-12:20 p.m. Fowler 127

128. **THE WORLD'S LIVING RELIGIONS.** The living religions of the world, their origins, development, and present expressions.

Fall Josselyn 7:45-8:45 a.m. Johnson 37

133. **HISTORY OF CHRISTIAN THOUGHT I.** Development of Christian thought through the works of principal religious authors. Ancient Eastern fathers through later scholastics. *Given in alternate years.*

Winter Smylie Not given in 1966-67.

134. **HISTORY OF CHRISTIAN THOUGHT II.** Development of Christian thought through the works of principal authors. Reformation through late nineteenth century. *Given in alternate years.*

Spring Smylie Not given in 1966-67.

154. **CHRISTIANITY AND SOCIETY.** An examination of contemporary Christian thought on such issues as international relations, social policy, race relations, sex ethics, communications. *Prerequisite: Religion 1, 2, 11, or 12.*

Fall Hobson 11:05 a.m.-12:20 p.m. Swan 100

155-255. **CURRENT TRENDS IN CHRISTIAN THOUGHT.** Religious thinkers (Tillich, Niebuhr, et al.) and schools of religious thought (Fundamentalism, Neo-Evangelicalism, Liberalism, Neo-Orthodoxy) which are dominant in contemporary America.

Spring Josselyn 11:05 a.m.-12:20 p.m. Johnson 37

159-259. **RELIGION IN AMERICAN HISTORY.** The origins, development and influence of religious life and thought in the United States from colonial times to the close of the nineteenth century. *Given in alternate years.*

Winter Smylie 8:50-9:50 a.m. Johnson 37

160. **RELIGION IN THE 20TH CENTURY.** An historical analysis of modern religious developments and movements. *Given in alternate years.*

Spring Smylie 8:50-9:50 a.m. Johnson 37

161. **RELIGION IN CONTEMPORARY LITERATURE.** Analysis of religious themes in contemporary literature; emphasis placed upon the literary and theological uses of the Bible by contemporary novelist and poets.

Spring Beebe 1:15-2:15 p.m. Art 7

190. **SENIOR SEMINAR.** Advanced studies for senior majors.

Spring Hobson Not given in 1966-67.

PHYSICAL EDUCATION

PROFESSOR BURKE, *Chairman*

ASSOCIATE PROFESSOR DUNLAP

ASSISTANT PROFESSOR DENNIS

MRS. BERKEY, *Instructor*

MRS. BARBER, *Instructor*

MR. MORA, *Instructor*

MR. BRITTENHAM, *Instructor*

MR. FICHTNER, *Instructor*

The Department of Physical Education has the following functions: (1) to provide opportunity for all students to secure instruction and formal practice in a variety of social, developmental and recreational physical education activities; (2) to provide facilities and assistance for voluntary recreational and competitive experiences in the programs for campus recreation, intramural sports and intercollegiate competitive sports; and (3) to provide academic and professional preparation for leadership and teaching in health education, physical education and recreation programs sponsored by public schools, private agencies and agencies of the municipal and national governments.

MAJOR: Nine courses from this department: Physical Education 100, 101, 102 and 103 (men) or 104 and 105 (women), 106, 107, 108, 109, 110; Biology 50, Mathematics 119, Psychology 1; and additional courses selected in consultation with the major adviser.

Candidates for teaching credentials at the Elementary School level should elect Physical Education 88 and 89 as part of their activity requirement. Physical Education majors and minors should fulfill the activity requirements through Physical Education 81 through 86, any one of which yields automatic exemption from the specific requirements in Physical Education 1, 2, and 3.

REQUIRED FRESHMAN ACTIVITY COURSES

Unless excused by the College Physician or the Dean of the Faculty, all students are required to pass one fractional ($1/6$) physical education activity course in each term of the freshman year. Fall Term freshmen must register

PHYSICAL EDUCATION

for Physical Education 1 (Physical Appraisal), which is prerequisite to all other activity courses. Physical Education 2 (Basic Swimming) and Physical Education 3 (Basic Skills) must be taken, in either order, in consecutive subsequent terms of the freshmen year except that proficiency tests administered as a part of Physical Education 1 may exempt a large proportion of students from either or both of these specific requirements, entitling them to substitute other freshman activity courses or elective activity courses if approved by the department.

X1. PHYSICAL APPRAISAL. Survey of pertinent medical history and status, and of physical education performance history and interests. Determination of status and needs in physical fitness, swimming, and sports skills. Opportunity to pass proficiency tests in Basic Swimming and Basic Skills, after brief instruction and practice. Introduction to the nature and objectives of physical education. Interpretation of test results, with opportunity for counseling. Prescription of remaining physical education activity requirements. *Required of all freshmen.*

<i>Fall</i>	The Staff	1/6 course	Section 1: Mon.-Wed. 10:00-11:00 a.m. Alumni Gymnasium 18
	The Staff		Section 2: Tues. Thurs. 10:00-11:00 a.m. Alumni Gymnasium 18

X2. BASIC SWIMMING. Beginning swimming; development of survival and recreational skills; development of proper form in fundamental strokes. *Required of all freshmen who do not pass proficiency test.*

<i>Winter</i>	Dennis	1/6 course	Tues.-Thurs. 10:00-11:00 a.m. Pool
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<i>Spring</i>	Dennis	1/6 course	Tues.-Thurs. 10:00-11:00 a.m. Pool
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X3. BASIC SKILLS. Improvement of physical fitness. Development of fundamental skills in agility, balancing, tumbling, jumping, vaulting, throwing, catching, dancing, and sports skills. *Required of all freshmen who do not pass proficiency test.*

<i>Winter</i>	Barber, Mora	1/6 course	Tues.-Thurs. 10:00-11:00 a.m. Alumni Gymnasium 21, 18
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X4. PHYSICAL FITNESS. Improvement of strength, endurance, flexibility, and body mechanics. Therapeutic or restricted exercise if needed. Weight control, if indicated, with guidance by physician. Opportunity to work toward special personal objectives. *Men only.*

<i>Winter</i>	Mora	1/6 course	Mon.-Wed. 10:00-11:00 a.m. Rush Gymnasium 110
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X6. WEIGHT TRAINING. Men only.

<i>Winter</i>	Fichtner	1/6 course	Section 1: Tues.-Thurs. 10:00-11:00 a.m. Rush Gymnasium 110
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<i>Spring</i>	Fichtner	1/6 course	Section 1: Mon.-Wed. 10:00-11:00 a.m. Rush Gymnasium 110
	Mora	1/6 course	Section 2: Tues.-Thurs. 10:00-11:00 a.m. Rush Gymnasium 110

X10. FRESHMAN INTERCOLLEGIATE SPORTS. Men and women (separate programs), with coach's permission.

<i>Fall</i>	The Staff	1/6 course	Arrange Alumni Gymnasium 1
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PHYSICAL EDUCATION

X12. FRESHMAN INTERCOLLEGIATE SPORTS. *Men and women (separate programs), with coach's permission.*

Winter The Staff 1/6 course Arrange Alumni Gymnasium 1

X14. FRESHMAN INTERCOLLEGIATE SPORTS. *Men and women (separate programs), with coach's permission.*

Spring The Staff 1/6 course Arrange Alumni Gymnasium 1

X17. ELEMENTARY GYMNASTICS. Trampoline, apparatus, and tumbling, with separate instructors for men and women.

Spring Burke 1/6 course Section 1, *men only*: Mon.-Wed.
10:00-11:00 a.m. Alumni Gymnasium 18
Barber, Burke 1/6 course Section 2: Tues.-Thurs. 10:00-11:00 a.m.
Alumni Gymnasium 21, 18

X22. BEGINNING CONTEMPORARY DANCE.

Winter Barber 1/6 course Mon.-Wed. 10:00-11:00 a.m.
Alumni Gymnasium 21

Spring Barber 1/6 course Section 1: Mon.-Wed. 10:00-11:00 a.m.
Alumni Gymnasium 21

X33. WATER BALLET.

Winter Berkey 1/6 course Mon.-Wed. 10:00-11:00 a.m. Pool

X34. SYNCHRONIZED SWIMMING.

Spring Berkey 1/6 course *Not given in 1966-67.*

X44. BEGINNING BADMINTON.

Fall Dunlap 1/6 course Section 1: Tues.-Thurs. 10:00-11:00 a.m.
Rush Gymnasium 116

Winter Fichtner 1/6 course Section 1: Mon.-Wed. 10:00-11:00 a.m.
Rush Gymnasium 116

Spring Dunlap 1/6 course Tues.-Thurs. 10:00-11:00 a.m.
Rush Gymnasium 116

X55. Co-ED VOLLEYBALL.

Winter Brittenham 1/6 course Tues.-Thurs. 10:00-11:00 a.m. Courts

Spring Brittenham 1/6 course Tues.-Thurs. 10:00-11:00 a.m. Courts

X56. BASKETBALL.

Winter Dunlap 1/6 course Section 1, *men only*: Tues.-Thurs.
10:00-11:00 a.m. Rush Gymnasium 116

Spring Dunlap 1/6 course *Men only*: Mon.-Wed. 10:00-11:00 a.m.
Rush Gymnasium 116

X57. SOCCER AND SPEEDBALL.

Winter Burke 1/6 course *Men only*: Mon.-Wed. 10:00-11:00 a.m.
Bell Field

Spring Berkey 1/6 course Section 1, *women only*:
Mon.-Wed. 10:00-11:00 a.m. Bell Field
Fichtner 1/6 course Section 2, *men only*: Tues.-Thurs.
10:00-11:00 a.m. Patterson Field

X58. FIELD HOCKEY. *Women only.*

Winter Berkey 1/6 course Tues.-Thurs. 10:00-11:00 a.m. Bell Field

X59. SOFTBALL. *Women only.*

Spring Berkey 1/6 course Tues.-Thurs. 10:00-11:00 a.m. Bell Field

PHYSICAL EDUCATION

ELECTIVE ACTIVITY COURSES

After completion of the Freshman activity requirement, students may elect one activity course per term. Credit for Physical Education activity is not included in the minimum and maximum credit specified for the Bachelor of Arts degree (see page 35). Unless otherwise described, all courses listed below are for beginners. A given course may be presented only once for credit.

With permission from the department, students above the freshman year may enroll in courses listed under Freshman Activity Courses if space permits.

X5. FIGURE CONTOURING. Development of muscle tone, body mechanics, and graceful movement. Weight control, if indicated, with guidance by physician. Therapeutic or restricted exercise if needed. Opportunity to work toward special personal objectives. *Women only.*

Spring Barber 1/6 course Mon.-Wed. 1:15-2:15 p.m.
Alumni Gymnasium 21

X6. WEIGHT TRAINING. *Men only.*

Fall Fichtner 1/6 course Tues.-Thurs. 8:50-9:50 a.m.
Rush Gymnasium 110
Winter Brittenham 1/6 course Section 2: Mon.-Wed. 8:50-9:50 a.m.
Rush Gymnasium 110

X11. VARSITY INTERCOLLEGIATE SPORTS. *Men and women (separate programs), with coach's permission.*

Fall The Staff 1/6 course Arrange Alumni Gymnasium 1

X13. VARSITY INTERCOLLEGIATE SPORTS. *Men and women (separate programs), with coach's permission.*

Winter The Staff 1/6 course Arrange Alumni Gymnasium 1

X15. VARSITY INTERCOLLEGIATE SPORTS. *Men and women (separate programs), with coach's permission.*

Spring The Staff 1/6 course Arrange Alumni Gymnasium 1

X17. ELEMENTARY GYMNASTICS. Trampoline, apparatus and tumbling.

Fall Burke 1/6 course Sat. 10:00 a.m.-12 m. Alumni Gymnasium 18

X22. BEGINNING CONTEMPORARY DANCE.

Spring Barber 1/6 course Section 2: Mon.-Wed. 2:20-3:20 p.m.
Alumni Gymnasium 21

X23. ADVANCED CONTEMPORARY DANCE.

Fall Barber 1/6 course Thurs. 7:00-9:00 p.m. Alumni Gymnasium 21
Winter Barber 1/6 course Thurs. 7:00-9:00 p.m. Alumni Gymnasium 21
Spring Barber 1/6 course Thurs. 7:00-9:00 p.m. Alumni Gymnasium 21

X24. DANCE PRODUCTION.

Fall Barber 1/6 course Thurs. 7:00-9:30 p.m. Alumni Gymnasium 21
Winter Barber 1/6 course Thurs. 7:00-9:30 p.m. Alumni Gymnasium 21
Spring Barber 1/6 course Thurs. 7:00-9:30 p.m. Alumni Gymnasium 21

PHYSICAL EDUCATION

X30. BEGINNING AND INTERMEDIATE SWIMMING.

Fall Dennis 1/6 course *Not given in 1966-67.*

X31. LIFE SAVING. American Red Cross certification.

Winter Mora 1/6 course Mon.-Wed. 1:15-2:15 p.m. Pool

X32. WATER SAFETY INSTRUCTORSHIP. American Red Cross Instructor Certification.

Spring Mora 1/6 course Tues.-Thurs. 2:20-3:20 p.m. Pool

X40. BEGINNING TENNIS.

Fall Fichtner 1/6 course Mon.-Wed. 1:15-2:15 p.m. Courts

Winter Fichtner 1/6 course Mon.-Wed. 2:20-3:20 p.m. Courts

Spring Mora 1/6 course Tues.-Thurs. 1:15-2:15 p.m. Courts

X41. INTERMEDIATE TENNIS.

Winter Dunlap 1/6 course Tues.-Thurs. 1:15-2:15 p.m. Courts

X43. BEGINNING GOLF.

Winter Dunlap 1/6 course Mon.-Wed. 1:15-2:15 p.m. Bell Field

Spring Fichtner 1/6 course Tues.-Thurs. 1:15-2:15 p.m. Bell Field

X44. BEGINNING BADMINTON.

Fall Berkey 1/6 course Section 2: Tues.-Thurs. 2:20-3:20 p.m.
Rush Gymnasium 116

Winter Berkey 1/6 course Section 2: Tues.-Thurs. 2:20-3:20 p.m.
Rush Gymnasium 116

X45. INTERMEDIATE BADMINTON.

Spring Dunlap 1/6 course Mon.-Wed. 1:15-2:15 p.m.
Rush Gymnasium 116

X56. BASKETBALL.

Winter Brittenham 1/6 course Section 2: *men only*
Tues.-Thurs. 11:05 a.m.-12:20 p.m.
Rush Gymnasium 116

X81. MAJORS' ACTIVITIES I. Archery, Volleyball, Golf. Development of skills, terminology, equipment, facilities, apparel, rules and etiquette, safety, strategy, organization and methods of teaching. *Given in alternate years.*

Fall Berkey 1/6 course *Not given in 1966-67.*

X82. MAJORS' ACTIVITIES II. Gymnastics: Tumbling, stunts, pyramids, apparatus. Development of skills, terminology, equipment, facilities, apparel, safety (manual, mechanical, and organizational), methods of teaching. *Given in alternate years.*

Winter Barber, Burke 1/6 course *Not given in 1966-67.*

X83. MAJORS' ACTIVITIES III. Aquatics, wrestling (men), and contemporary dance (women). Aquatics through American Red Cross Senior Life Saving, wrestling and contemporary dance through intermediate levels. Skills, terminology, safety, equipment, organization and methods of teaching. *Given in alternate years.*

Spring Barber, Burke, Mora 1/6 course *Not given in 1966-67.*

X84. MAJORS' ACTIVITIES IV. Tennis and Badminton. Development of skills, terminology, equipment, facilities, apparel, rules and etiquette, safety, strategy, organization and methods of teaching. *Given in alternate years.*

Fall Dunlap 1/6 course Mon.-Tues.-Thurs.-Fri.
11:05 a.m.-12:20 p.m. Rush Gymnasium 116

PHYSICAL EDUCATION

X85. MAJORS' ACTIVITIES V. Folk, Square, and Social Dance. Development of skills; recognition of rhythms; terminology; etiquette; organization, methods, and materials for teaching; calling and accompaniment; equipment; facilities; apparel. *Given in alternate years.*

Winter Barber 1/6 course Mon.-Wed.-Fri. 2:20-3:20 p.m.

Alumni Gymnasium 21

X86. MAJORS' ACTIVITIES VI. Ball-handling fundamentals, Field Hockey (women), and Track and Field (men). Throwing, catching, shooting, batting, dribbling, kicking, etc., for soccer, speedball, football, basketball, and baseball. Performance of track and field events for men. Skills and playing strategy in field hockey, soccer, and speedaway for women. *Given in alternate years.*

Spring Berkey, Brittenham 1/6 course Mon.-Tues.-Thurs.-Fri.

11:05 a.m.-12:20 p.m. Rush Gymnasium 116

X88. METHODS IN ELEMENTARY SCHOOL PHYSICAL EDUCATION I. Theory, objectives, methods and materials, safety, and evaluation in elementary school physical education. Development of skills and practice in teaching. Field trips to observe master teaching. *Required of candidates for elementary school teaching credential. Satisfies college activity requirement.*

Winter Barber 1/6 course Tues.-Thurs. 1:15-2:15 p.m.

Alumni Gymnasium 21

X89. METHODS IN ELEMENTARY SCHOOL PHYSICAL EDUCATION II. Continuation of P.E. 88, which is recommended but not required as a prerequisite. *Satisfies college activity requirement.*

Spring Barber 1/6 course Tues.-Thurs. 2:20-3:20 p.m.

Alumni Gymnasium 21

THEORY COURSES

100. HEALTH SCIENCE. The nature of health; personal and community health, with general and professional implications. Advanced first aid. Principles of safety. *Given in alternate years.*

Fall Dennis 2:20-3:20 p.m. Alumni Gymnasium 16

101. ADMINISTRATION OF HEALTH AND RECREATION. School health programs, including health instruction, health services, and provision of a healthful school environment at elementary and secondary levels. Survey of principles, organization, and program development in community recreation by municipalities and private agencies. *Given in alternate years.*

Fall Dennis *Not given in 1966-67.*

102. ANALYSIS AND STRATEGY OF SPORTS I. Theory, strategy, and methods in teaching, coaching, and officiating football and track and field athletics. *Men only. Given in alternate years.*

Fall Mora, Brittenham 8:50-9:50 a.m. Alumni Gymnasium 16

103. ANALYSIS AND STRATEGY OF SPORTS II. Theory, strategy, and methods in teaching, coaching, and officiating basketball and baseball. *Men only.*

Spring Dunlap *Not given in 1966-67.*

PHYSICAL EDUCATION

104. DANCE ANALYSIS AND CHOREOGRAPHY. Historical development of dance forms. Organic analysis of choreography, with performance laboratory. *Women only. Given in alternate years.*

Fall Barber 8:50-9:50 a.m. Alumni Gymnasium 14, 21

105. ANALYSIS AND STRATEGY OF WOMEN'S SPORTS. Theory and strategy of basketball, softball, soccer, speedaway, and field hockey. Methods in teaching, coaching, and officiating. *Women only. Given in alternate years.*

Spring Berkey Not given in 1966-67.

106. HISTORY AND PRINCIPLES. A detailed study of sports, physical education, and recreation in the history of civilization, leading to the formulation of principles of physical education by examination of philosophies, sociology, psychology, and biology as source fields. *Given in alternate years.*

Fall Dunlap Not given in 1966-67.

107-207. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION. Legal basis, policies and procedures for organizing and conducting programs, planning and managing facilities and equipment, purchasing and budgeting, planning curriculum, personnel relationships, public relations. Teaching methodology, with supervised teaching in Basic Skills class. Visitations and observation in public schools.

Winter Mora 8:50-9:50 a.m. and Tues.-Thurs. 11:05-12:20 p.m.
Alumni Gymnasium 16

108-208. KINESIOLOGY. Structural and functional analysis of human motion, with implications for organic health, fitness, physical and motor growth and protection. Development of principles for selecting and evaluating exercises and exercise regimes. The design and conduct of adapted, rehabilitative, and therapeutic exercise programs. Prevention and management of athletic injuries. *Prerequisite: Biology 50 completed or in process. Given in alternate years.*

Winter Burke 11:05 a.m.-12:20 p.m. Alumni Gymnasium 17

109. MECHANICS AND PHYSIOLOGY OF HUMAN MOTION. Survey of classical mechanics with application to human performance in work and sports. Exercise physiology; with special problems in fatigue and impairment, nutrition, efficiency and training. *Prerequisite: Biology 50 completed or in progress. Given in alternate years.*

Winter Burke Not given in 1966-67.

110-210. SURVEY OF TECHNICAL LITERATURE. Study of the research and technical literature leading to understanding of measurement and evaluation, test construction and administration, psychology of motor learning, and elementary insights into human ecology. *Prerequisite: Physical Education 109; Mathematics 119.*

Spring Burke Tues. 7:00-9:00 p.m. Alumni Gymnasium 17

PHYSICS

ASSOCIATE PROFESSOR HUDSON, *Chairman*

PROFESSOR BOLLMAN

ASSOCIATE PROFESSOR NELSON

ASSOCIATE PROFESSOR SEGALL

ASSISTANT PROFESSOR ELLIOTT

ASSISTANT PROFESSOR SANDERS

The Department of Physics offers a three-course introductory sequence, Physics 11-12-13, stressing fundamental procedures in analytical physics to form a foundation for advanced work and to serve students majoring in the sciences and mathematics. Physics 21-22, a two-course terminal sequence, is offered for students who plan to enter the medical profession and for the general student who desires an understanding of the basic concepts of classical and modern physics.

In advanced work the aim is to supply a group of courses essential for professional work in physics and for entrance to graduate schools for those who plan to continue their studies after graduation.

The program for majors provides also for entrance into the School of Engineering of Columbia University or the California Institute of Technology under the Combined Plan Program. Students interested in engineering should consult pages 57-58 for details of these plans.

MAJOR: Twelve courses from this department, including Physics 11, 12, 13, 50, 100, 110, 150, 160, 170, 181, 182, 183. Required courses must include Mathematics 21, 22, 23, 51, 111, 112. Upon consultation with their adviser, students with special goals and those interested in biophysics, geophysics, or similar interdisciplinary fields, or in teaching at the secondary level, may be permitted to substitute other courses for two of the required physics courses mentioned above.

The comprehensive Examination in Physics will be in two parts: (a) an examination covering the required course work in Physics, and (b) the Advanced Test in Physics administered by the Educational Testing Service as part of the Graduate Record Examinations. The student is charged a fee by the Educational Testing Service for this latter examination.

HONORS: On permission of the staff, selected junior and senior students who show evidence of ability to carry on individual investigation may be per-

mitted to present a written thesis for Departmental Honors at graduation. Such a program may be undertaken with or without registration in Physics 199.

11. **INTRODUCTORY PHYSICS I.** A basic course in classical physics using calculus. A rigorous analytical study of fundamental concepts of statics and dynamics, conservation laws. Kinetic theory, heat and thermodynamics. Electricity and magnetism, electrical circuits, the origin and nature of waves. Propagation, interference, diffraction and polarization phenomena. *Prerequisite: Mathematics 21. Mathematics 22 must be taken concurrently.*

Winter Hudson Lectures: 1:15-2:15 p.m. Fowler 202
Discussion Groups: Arrange

12. **INTRODUCTORY PHYSICS II. Continuation.**

Spring Nelson 1:15-2:15 p.m. Fowler 202

13. **INTRODUCTORY PHYSICS III.** Introduction to Atomic and Nuclear physics, relativity. Selected experiments in introductory physics. *Prerequisite: Physics 12, Mathematics 22.*

Fall Nelson Lectures: 1:15-2:15 p.m. Fowler 202
Hudson Laboratory: Section 1: Mon. 2:20-5:30 p.m. Fowler 209
Hudson Section 2: Tues. 2:20-5:30 p.m. Fowler 209
Hudson Section 3: Wed. 2:20-5:30 p.m. Fowler 209

21. **BASIC PHYSICS I.** Physics 21 and 22 constitute a two-term course in classical and modern physics using elementary calculus. Designed primarily for premedical students and others in the biological sciences. *Prerequisite: Mathematics 21.*

Winter Elliott Lectures: 8:50-9:50 a.m. Fowler 202
Discussion Groups: Arrange

22. **BASIC PHYSICS II. Continuation.**

Spring Elliott Lectures: 8:50-9:50 a.m. Fowler 202
Discussion groups: Arrange
Elliott Laboratory: Section 1: Mon. 1:15-5:30 p.m. Fowler 209
Elliott Section 2: Tues. 1:15-5:30 p.m. Fowler 209
Elliott Section 3: Wed. 1:15-5:30 p.m. Fowler 209

50. **ELECTRONICS IN PHYSICS RESEARCH.** Theoretical and experimental electronics fundamental to modern physical research. *Prerequisite: Physics 12, Mathematics 22. Open to non-physics majors if space available.*

Winter Nelson Lectures: 11:05 a.m.-12:20 p.m. Fowler 202
Nelson Laboratory: Section 1: Mon. 2:20-5:30 p.m. Fowler 104
Nelson Section 2: Tues. 2:20-5:30 p.m. Fowler 104
Nelson Section 3: Wed. 2:20-5:30 p.m. Fowler 104

100. **ADVANCED LABORATORY AND SEMINAR.** This course is continuous throughout the junior and senior years. A student may enroll for credit in any term of the senior year, but the final grade is withheld until the work of the entire six terms has been completed. The work is distributed as follows:

JUNIOR YEAR:

Fall Elliott Laboratory: Arrange Fowler 223
Winter Segall Laboratory: Arrange Fowler 222
Spring Segall Seminar: Thurs. 3:25-4:25 p.m. Fowler 202

SENIOR YEAR:

Fall Elliott Laboratory: Arrange Fowler 223
Winter Hudson Seminar: Thurs. 3:25-4:25 p.m. Fowler 202
Spring Segall Laboratory: Arrange Fowler 222

PHYSICS

110-210. ANALYTICAL DYNAMICS. Particle and rigid body motion, Lagrange's and Hamilton's Equations, moving coordinate systems, boundary value problems. *Prerequisite: Mathematics 51 and 111, Physics 11.*

Spring Nelson 7:45-8:45 a.m. Fowler 202

135. SOLID STATE PHYSICS. Experimental and theoretical aspects of the crystal-line structure, and the electrical, magnetic, and optical properties of solids. *Pre-requisite: Physics 13.*

Spring Segall 10:00-11:00 a.m. Fowler 202

150. ELECTROMAGNETIC FIELDS AND WAVES. Electrostatics, magnetic fields, Maxwell's equations, boundary value problems, radiation. *Prerequisite: Physics 110, Mathematics 112.*

Fall Segall 10:00-11:00 a.m. Fowler 202

155. MATHEMATICAL METHODS IN PHYSICS. Special topics in mathematical physics including tensor treatment of special relativity, transformation theory, group theory, and integral equations. *Prerequisite: Physics 110, 150.*

Winter Segall 10:00-11:00 a.m. Fowler 202

160. THERMAL AND STATISTICAL PHYSICS. Thermodynamics with applications to gases and other systems, kinetic theory, transport processes, fluctuations, classical and quantum statistics. *Prerequisite: Physics 13, Mathematics 51.*

Fall Elliott 8:50-9:50 a.m. Fowler 202

170. WAVE OPTICS. Dipole radiation, scalar theory of diffraction, Fourier transforms, polychromatic waves, interaction of electromagnetic waves and matter (scattering, dispersion, reflection, polarization). *Prerequisite: Physics 150.*

Winter Elliott 7:45-8:45 a.m. Fowler 202

181-281. MODERN PHYSICS I. Experimental and theoretical atomic and nuclear physics, with nuclear physics laboratory. *Prerequisite: Physics 13, Mathematics 51.*

Spring Hudson Lecture: 1:15-2:15 p.m. Mosher 1
Hudson Laboratory: Section 1: Mon. 2:20-5:30 p.m. Fowler 111
Hudson Section 2: Tues. 2:20-5:30 p.m. Fowler 111

182. MODERN PHYSICS II. Continuation of Physics 181-281 without laboratory.

Fall Sanders 1:15-2:15 p.m. ROTC 1

183. MODERN PHYSICS III. Continuation, with special emphasis on the theory of scattering, perturbation theory, and approximation methods in quantum mechanics.

Winter Sanders 1:15-2:15 p.m. Fowler 301

199. HONORS. Supervised investigation by properly qualified students. *Prerequisite: Permission of the Department Chairman.*

Each Term The Staff Arrange Fowler 225

POLITICAL SCIENCE

PROFESSOR McKELVEY, *Chairman*

PROFESSOR REATH

PROFESSOR MILL

ASSISTANT PROFESSOR LARE

MR. PUGSLEY, *Instructor*

The course offerings and the resources of this department are intended to provide: (1) general training in matters of national and world citizenship; (2) special background for those whose professional goal is law; private and public administration whether domestic or international; politics; overseas service including international business; journalism; or teaching and research.

Opportunities are presented each year for a few students, selected on a competitive basis, to work in various internship programs with public agencies and political parties. Such positions are of particular interest to those considering public service as a career, but offer to other students a means of supplementing formal classroom training with practical experience in governmental management. In some instances, academic credit may be arranged for participation in these programs.

Occidental is one of a limited group of liberal arts colleges invited by the American University in Washington, D.C., to take part in its Washington Semester Program, an opportunity to spend a term in the capital studying and observing the national government in action and having contact with major policy makers and other persons prominent on the national and international scene. The appointment is restricted to students in their junior year. Selection is based upon demonstrated abilities in scholarship and leadership. Instructional costs are covered by tuition paid to American University. Charges for room, board, travel and incidental expenses must be met by the appointee. Students wishing to be considered for appointment should apply to the Chairman of the Department of Political Science in their sophomore year.

Students interested in political studies or in regional studies dealing with Asia, Latin America, or Europe are referred also to the interdepartmental major in Diplomacy and World Affairs (page 55).

POLITICAL SCIENCE

MAJOR: A minimum of nine courses from this department. Required courses include Political Science 50, 100, 140, 160, and either 129 or both 130 and 131, plus three others from the department, one to be selected from among Political Science 101, 102, 112, 114, 120, or 122; and one from among Political Science 111, 121, 142, or 150.

HONORS: Qualified majors may achieve Departmental Honors at graduation through completion of a program including independent research involving a senior thesis. Consult the department chairman concerning details.

1. INTRODUCTION TO POLITICAL SCIENCE. Nature of political science; characteristics of the free state, the fascist state, the communist state. *Primarily for non-majors.*

Winter Lare 11:05 a.m.-12:20 p.m. Swan 10

50. GOVERNMENT IN THE UNITED STATES. Governmental institutions and political processes in national and state governments. (Meets state requirement in United States Constitution and California government.)

Fall McKelvey 7:45-8:45 a.m. Fowler 202

Winter Reath 1:15-2:15 p.m. Mosher 2

Spring Lare 11:05 a.m.-12:20 p.m. Alumni Gymnasium 17

100. GOVERNMENT AND POLITICS OF EUROPE. Comparative analysis of political institutions and processes in Britain, France, Germany, and the U.S.S.R.

Winter McKelvey 7:45-8:45 a.m. Fowler 316

Spring Pugsley 2:20-3:20 p.m. Fowler 316

101-201. GOVERNMENT AND POLITICS OF SOUTHEAST ASIA. Indonesia, the Philippines, Vietnam, Laos, Thailand and Malaya; the role of Southeast Asia in world affairs.

Fall Mill 8:50-9:50 a.m. Johnson 25

102-202. GOVERNMENT AND POLITICS OF AFRICA. The organized national movements of Africa; response of Africans to Western politics and economics. Role of Africa in world affairs.

Spring Mill 11:05 a.m.-12:20 p.m. Swan 30

110. INTERNATIONAL RELATIONS. The forces of nationalism, imperialism and international law and organization in the nation-state system; dynamics of contemporary foreign policies.

Fall McKelvey 8:50-9:50 a.m. Fowler 302

Winter Pugsley 8:50-9:50 a.m. Fowler 201

111. UNITED STATES FOREIGN POLICY. The organization, formulation, and execution of American foreign policy in the contemporary world.

Fall Mill 10:00-11:00 a.m. Johnson 25

112. INTERNATIONAL ORGANIZATION. The development of international organization with major emphasis on the origins, functions, and operation of the United Nations. UN General Assembly.

Winter Mill 11:05 a.m.-12:20 p.m. Music-Speech 2

114. INTERNATIONAL LAW. Sources, evidences, bibliography and selected substantive rules. Conducted primarily by study of cases and documents with students giving decisions in hypothetical cases.

Spring Reath 7:45-8:45 a.m. Fowler 127

120-220. SEMINAR IN INTERNATIONAL RELATIONS. Study in depth of selected problems in the general area of international affairs.

Fall Pugsley 3:25-4:25 p.m. Swan 10

121-221. SEMINAR IN UNITED STATES FOREIGN RELATIONS. Post-war settlements, programs and problems of the United States in international affairs; research projects pertaining to current trends and events in United States foreign relations. *Given in alternate years.*

Spring Mill *Not given in 1966-67.*

122-222. SEMINAR IN ASIAN AFFAIRS. Advanced study and research on selected problems of the region. *Given in alternate years.*

Spring Mill 3:25-4:25 p.m. Johnson 39

129. INTRODUCTION TO CONSTITUTIONAL LAW. General historical survey of American constitutional law covering the Supreme Court's jurisdiction, the power of the President and of Congress, the nature of the federal system, the commerce and taxing powers, the Bill of Rights, and the Fourteenth Amendment.

Fall Reath 11:05 a.m.-12:20 p.m. Fowler 316

130. AMERICAN CONSTITUTIONAL LAW I. Study in depth by case method of judicial review, the federal system, the commerce and taxing powers, and the role of Congress and the President.

Fall Reath 8:50-9:50 a.m. Johnson 39

131. AMERICAN CONSTITUTIONAL LAW II. Study in depth by case method of civil rights, separation of church and state, fair procedure in criminal cases. *Students who have taken neither Political Science 129 nor 130 must do certain preliminary reading.*

Winter Reath 8:50-9:50 a.m. Johnson 39

140. HISTORY OF POLITICAL THEORY. History of man's attempt to define the issues in politics and to apply reason to the conduct of government. Proceeds chronologically from Classical Greece to the present.

Fall Lare 10:00-11:00 a.m. Johnson 36

Winter Pugsley 10:00-11:00 a.m. Johnson 31

142-242. SEMINAR IN AMERICAN POLITICAL IDEAS. Insights and ideals emerging during the development of American political thought and their relevance to contemporary political, economic, and social issues. Intensive study of selected themes. *Given in alternate years.*

Winter Lare 1:15-2:15 p.m. Fowler 127

150. AMERICAN POLITICAL PARTIES, PRESSURE GROUPS AND PUBLIC OPINION. Development, organization, practices of political parties and pressure groups; nominations and elections; nature, formation and control of public opinion. *Given in alternate years.*

Fall Lare *Not given in 1966-67.*

POLITICAL SCIENCE

151. PRACTICAL PROBLEMS OF POLITICAL CONTROL. Politics as the "study of influence and the influential" with emphasis upon devices by which the "few" control the "many"

Spring McKelvey 8:50-9:50 a.m. Johnson 39

160. PROBLEMS IN ADMINISTRATION. Case studies, administrative novels, and classic works on management are used to illustrate the practical dilemmas facing executives in business, and in governmental and other non-profit institutions.

Fall Lare 1:15-2:15 p.m. Fowler 316

Spring Lare 1:15-2:15 p.m. Fowler 302

170-270. SEMINAR IN POLITICAL ECONOMY. Problems of interest to administrators in public life, labor and business enterprise. Leading figures from business, labor and government participate in the seminar discussions.

Spring McKelvey Thurs. 6:00-9:00 p.m. and arrange one hour.

President's Dining Room

199. HONORS.

Each Term The Staff Arrange Swan 201

301. RESEARCH. Individual study in depth of selected topics.

Each Term The Staff Arrange Swan 201

330. SEMINAR IN UNITED NATIONS PROBLEMS. Intensive research on selected United Nations problems.

Winter Mill Arrange Johnson 22

390. THESIS FOR MASTER OF ARTS DEGREE.

Each Term The Staff Arrange Swan 201

PSYCHOLOGY

PROFESSOR COLE, *Chairman*

PROFESSOR BRIGHOUSE

PROFESSOR MAHLER

ASSOCIATE PROFESSOR JENNINGS

ASSOCIATE PROFESSOR SHENFELD

The courses in Psychology are directed toward an understanding of human behavior, an appreciation of its complexity, and the many issues associated with its control. Human behavior is influenced by factors in one's environment, background experience, and physiological conditions; psychology attempts to describe and study these influences with scientific accuracy and caution. Such studies have a twofold function: (1) as a cultural contribution to the general student; (2) as part of the preparation for the professions of psychology, teaching, social service, medicine, law, psychiatric social work, and personnel administration.

MAJOR: Eight courses from this department: Psychology 1, 2, 3; one course from 133, 134, 135; either 122 or 147; and three additional courses from the department, chosen in consultation with the major adviser. Mathematics 119 or Mathematics 120 is required of all majors; choice to be made in consultation with the major adviser. Students anticipating graduate work for the Ph.D. are advised to include Psychology 165 and 190 in their programs.

Each student is expected to select one of the regular full time faculty members from the department as his adviser. He should consult with his adviser near the end of each term relative to his course program for the following term.

HONORS: With the approval of the staff, qualified majors may complete a program of Departmental Honors for graduation, including a senior thesis. Consult major adviser concerning details. Honors candidates are expected to complete Psychology 165, 190 and 191.

PSYCHOLOGY

1. **INTRODUCTION TO PSYCHOLOGY.** Introduction to the primary subject matter areas, assumptions and methods of psychology as the science of human and animal behavior. Topics include: learning, perception, motivation, emotion, intelligence and personality.

Fall	Cole	Section 1: 7:45-8:45 a.m.	Fowler 112
	Mahler	Section 2: 1:15-2:15 p.m.	Fowler 112
	Shenfeld	Section 3: 2:20-3:20 p.m.	Fowler 112
Winter		Section 1: 7:45-8:45 a.m.	Fowler 112
	Mahler	Section 2: 1:15-2:15 p.m.	Fowler 112
Spring	Cole	Section 1: 7:45-8:45 a.m.	Fowler 112
		Section 2: 1:15-2:15 p.m.	Fowler 112

2. **PSYCHOLOGICAL METHODOLOGY.** The measurement and methodological bases for psychological experimentation and research. *Prerequisite: Psychology 1 and either Mathematics 119 or Mathematics 120.*

Fall	Shenfeld	11:05 a.m.-12:20 p.m.	Fowler 112
Winter		2:20-3:20 p.m.	Fowler 112
Spring	Mahler	11:05 a.m.-12:20 p.m.	Fowler 301

3. **ADVANCED GENERAL PSYCHOLOGY.** The historical background to psychology, its primary systematic positions and contemporary areas of theoretical dispute and research attention. *Prerequisite: Psychology 1.*

Fall		2:20-3:20 p.m.	Fowler 316
Winter	Jennings	1:15-2:15 p.m.	Fowler 316

105. **HISTORY AND SYSTEMS OF PSYCHOLOGY.** Historical development of the field, and consideration of major systematic positions.

Fall	Cole	10:00-11:00 a.m.	Fowler 127
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121. **DEVELOPMENTAL PSYCHOLOGY.** Principles of child and adolescent psychology. *Prerequisite: Psychology 1.*

Winter	Shenfeld	11:05 a.m.-12:20 p.m.	Fowler 112
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122-222. **PHYSIOLOGICAL PSYCHOLOGY.** The role of the sense organs, nervous system, muscles and glands in human behavior and personality. *Prerequisite: Psychology 1 and 3.*

Spring	Jennings	8:50-9:50 a.m.	Fowler 112
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123. **SOCIAL PSYCHOLOGY.** Psychological aspects of the inter-relationship of individual and group. Formation and change of social attitudes. Psychology of belief. *Prerequisite: Psychology 1.*

Winter	Cole	7:45-8:45 a.m.	Fowler 302
Spring	Cole	11:05 a.m.-12:20 p.m.	Fowler 112

130. **ABNORMAL PSYCHOLOGY.** The psychological study of mental deficiency, neurosis, psychosis and other primary behavior disorders. *Prerequisite: Psychology 1.*

Fall	Brighouse	10:00-11:00 a.m.	Fowler 112
Spring	Brighouse	10:00-11:00 a.m.	Fowler 112

131. **CLINICAL PSYCHOLOGY.** Diagnosis and treatment of psychological disorders *Prerequisite: Psychology 130.*

Spring	Shenfeld	1:15-2:15 p.m.	Fowler 316
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133. EXPERIMENTAL PSYCHOLOGY: LEARNING AND PERCEPTION. Laboratory investigations of problems in the psychology of learning, thinking and perception. *Prerequisite: Psychology 2.*

Fall 3:25-4:25 p.m. Fowler 127

Spring 3:25-4:25 p.m. Fowler 112

134. EXPERIMENTAL PSYCHOLOGY: PERSONALITY. Laboratory investigations of problems in the scientific study of personality. *Prerequisite: Psychology 2.*

Winter Shenfeld 2:20-3:20 p.m. Fowler 127

135. EXPERIMENTAL PSYCHOLOGY: SOCIAL AND GROUP PROCESS. Experimental investigations of small group interactions. *Prerequisite: Psychology 2.*

Spring Mahler 2:20-3:20 p.m. Fowler 127

138. INDUSTRIAL AND PERSONNEL PSYCHOLOGY. Applications of psychology to the study of industrial and personnel problems, including such areas as human relations, selection, training, and morale. *Prerequisite: Psychology 1.*

Winter Brighthouse 10:00-11:00 a.m. Fowler 112

147. THE MEASUREMENT OF INTELLIGENCE AND PERSONALITY. Theory and problems in construction of psychological tests of intelligence, aptitude, achievement, interest, attitude, and study of personality inventories and projective techniques. *Prerequisite: Psychology 2.*

Winter Mahler 8:50-9:50 a.m. Fowler 112

165-265. ADVANCED PSYCHOLOGICAL STATISTICS. Critical application of varied techniques including Chi-Square, Analysis of Variance, Prediction, Small Sample Reliability, Partial and Multiple Correlation, and non-parametric statistics to research design in psychology. *Prerequisite: Psychology 2.*

Fall Mahler 11:05 a.m.-12:20 p.m. Fowler 127

190-290. PROBLEMS IN CONTEMPORARY PSYCHOLOGICAL THEORY. Detailed investigation of selected contemporary problems in psychological theory construction and evaluation. *Prerequisite: Psychology 3, and consent of instructor.*

Winter Jennings and Staff 3:25-4:25 p.m. Fowler 127

191. RESEARCH SEMINAR. Detailed experimental study of selected individual problems. *Prerequisite: Psychology 3 and consent of instructor.*

Spring Jennings and Staff 3:25-4:25 p.m. Fowler 127

301. RESEARCH. Investigations of major projects.

Each Term The Staff Arrange Fowler 113

390. THESIS FOR MASTER OF ARTS DEGREE.

Each Term The Staff Arrange Fowler 113

SOCIOLOGY AND ANTHROPOLOGY

PROFESSOR SHELDON, *Chairman*

ASSISTANT PROFESSOR LITTLETON

MR. HENRY, *Instructor*

DR. KUBE, *Research Associate*

Sociology and Anthropology share a common aim: the further understanding of man as a social and cultural being. There exists, however, a division between the two disciplines, and the department's curriculum reflects this division. Courses in Sociology focus on the structure and function of institutions in contemporary, complex societies; those in Anthropology are primarily concerned with the cultural and social patterns present in primitive and prehistoric societies. The study of the physical origin and evolution of the human species falls within the province of Anthropology and is an integral part of the department's program in this field.

A major in the Department of Sociology and Anthropology provides the student with: (1) the undergraduate training prerequisite to advanced study and research in social anthropology, sociology, and archeology, culminating in a professional career in these fields; (2) the basis for careers in social welfare, criminology and probation work, and public administration; (3) the training essential to effective participation in social action programs; (4) the substantive prerequisites for teaching social studies; and (5) the broad background in social and cultural relations now so often demanded of those who would seek a career in the managerial ranks of private industry or in government service.

MAJOR: Eight courses from this department, including Anthropology 101, Sociology 102, 157, 159, 185, and three other departmental offerings. Either Mathematics 119 or Mathematics 120 is required; choice to be made in consultation with major adviser. Particularly recommended are Economics 107, History 144, Mathematics 101, Political Science 110, and Political Science 112.

Students planning to do graduate work or research in the fields of sociology or anthropology will need the following: Anthropology 123, 150; Sociology 124, 198. Students planning to enter social welfare programs normally will take Sociology 175. The general liberal arts curriculum is more flexible than the other two, but would normally include the following: Anthropology 123 or 150; Sociology 124 and 125.

The comprehensive examination emphasizes the interrelationships and integration of the courses selected by the student. The student is expected to demonstrate a broad familiarity with the ideas presented in these courses.

SOCIOLOGY AND ANTHROPOLOGY

HONORS: Majors in the department may qualify for Departmental Honors for graduation through independent study, including a senior thesis. Consult the department chairman concerning details.

Students interested in cultural studies are referred also to the interdepartmental major in Diplomacy and World Affairs (page 55).

ANTHROPOLOGY

1. HUMAN ORIGINS. Introduction to physical anthropology and culture history; culture of man in the primitive world.

Spring Littleton 1:15-2:15 p.m. Fowler 301

101. MAN AND CULTURE. Introduction to cultural and social anthropology; the culture of man in the primitive world; comparative institutions. *Open to sophomores.*

Winter Littleton 11:05 a.m.-12:20 p.m. Fowler 201

123-223. PERSONALITY AND CULTURE. The relationship between social and cultural processes and personality formation; the influences of group life in primitive and modern societies on personality change; theories of modal personality. *Prerequisite: Sociology 102 or Anthropology 101.*

Fall Littleton 10:00-11:00 a.m. Fowler 401

150. LANGUAGE AND CULTURE. The relationship between linguistic forms and cultural patterns; the Sapir-Whorf hypothesis; language and ideology. *Given in alternate years.*

Spring Littleton 8:50-9:50 a.m. Fowler 401

151-251. HISTORICAL LINGUISTICS. The criteria in terms of which languages are grouped into families and subfamilies; techniques of historical reconstruction; lexicostatistics. *Given in alternate years.*

Spring Littleton *Not given in 1966-67.*

155. PEOPLES OF SOUTH AND SOUTHEAST ASIA. The major contemporary social and cultural patterns of South and Southeast Asia, with emphasis upon village communities.

Spring Littleton *Not given in 1966-67.*

SOCIOLOGY

102. ELEMENTS OF SOCIOLOGY. Survey of the characteristics of human groups and processes; basic concepts of and approaches to sociological investigation and American social institutions. *Open to sophomores.*

Fall Sheldon 11:05 a.m.-12:20 p.m. Johnson 25

Spring Henry 11:05 a.m.-12:20 p.m. Alumni Hall

119. THE AMERICAN FAMILY. Historical development of the modern family, current trends in family structure and functions, problems of family life, marriage and divorce, future family designs.

Winter Sheldon 10:00-11:00 a.m. Fowler 301

124-224. INTERCULTURAL RELATIONS. Processes of culture contact and interactions; comparative analysis of intercultural relations in various world areas; the study of social, racial, economic and political minorities.

Spring Henry 10:00-11:00 a.m. Johnson 21

SOCIOLOGY AND ANTHROPOLOGY

125. **CRIME AND DELINQUENCY.** Sociological and legal theories of crime; the extent and cost; methods of research; causes of crime; juvenile delinquency—its causes, treatment and prevention. The criminal and his relationship to the police, to the courts, and to the penal agencies. Prison labor, education, recreation, and rehabilitation.

Winter Henry 10:00-11:00 a.m. Alumni Gymnasium 17

154. **SOCIAL PROBLEMS.** Theories of value conflict, social change and its consequences on social life, comparison of problem genesis and solutions in American and other societies, social control and planning. *Prerequisite: Anthropology 101 or Sociology 102. Given in alternate years.*

Spring Sheldon 8:50-9:50 a.m. Fowler 302

157-257. **AMERICAN SOCIAL INSTITUTIONS.** The origin and character of contemporary American social institutions; values and norms underlying American institutional behavior; social stratification; the interrelationships among economic, political, and religious institutions in modern American society. *Prerequisite: Sociology 102 or Anthropology 101.*

Fall Henry 1:15-2:15 p.m. Alumni Gymnasium 16

159. **HISTORY OF SOCIAL THOUGHT.** The history of theory in sociology and anthropology, with emphasis upon the 19th and 20th Centuries. *Prerequisite: Sociology 102 or Anthropology 101.*

Winter Littleton 1:15-2:15 p.m. Fowler 401

165. **FIELD WORK.** Supervised observation and experience in social work and other community organizations. Writing and analyzing social work records, and presenting reports. A general survey of the fields and the problems of social work. *Prerequisite: Permission of the department chairman.*

Fall Sheldon Tues.-Thurs. 1:15-4:25 p.m. Fowler 401

175. **SOCIAL WELFARE.** Historical background of programs of social welfare, development of the profession of social work with emphasis on case work and child welfare, current administrative practices of public and private agencies. *Given in alternate years.*

Spring Sheldon *Not given in 1966-67.*

185. **THE MODERN CITY.** The distributive aspects of human relations. The neighborhood, the community, and problems of urban living. A survey of theories and field studies in the development of the modern city. Problems in urban rehabilitation and city planning.

Winter Sheldon 8:50-9:50 a.m. Fowler 302

198. **THEORY AND METHOD OF SOCIOLOGICAL AND ANTHROPOLOGICAL RESEARCH.** A comprehensive survey of current theories and researches in Sociology and Anthropology. *Prerequisite: Permission of the instructor. Ordinarily restricted to advanced students in this department considering graduate study.*

Winter Henry 2:20-3:20 p.m. Fowler 401

199. **HONORS.**

Each Term The Staff Arrange Fowler 402

SPEECH AND DRAMA

PROFESSOR PAXSON, *Acting Chairman*

PROFESSOR FREESTONE

ASSISTANT PROFESSOR MODISETT

DR. GRIFFITHS, *Lecturer*

A student in the department of Speech and Drama explores the intellectual, emotional and physical bases of communication, and may emphasize the rhetorical, or creative or physiological aspects of the department. The improvement and enrichment of these aspects require individual study and performance, as well as interdisciplinary work. To those ends, the student is encouraged to accept the responsibility of independent reading and counselled study, which lead to evaluation, interpretation, criticism, and appreciation as related to the dynamic use of the spoken and written word. The student augments his study and research by performance and laboratory participation in forensics, drama and speech therapy.

MAJOR: Ten courses from this department, chosen in consultation with the major adviser. One of the ten courses must be in applied laboratory work (Speech X10, X20, X30).

As there are no specific course requirements, a major in the department is free to select his own program of study under the guidance of his faculty adviser. The department has established standards of excellence in study and performance which the student will be expected to meet by a three part comprehensive examination: (1) written (2) oral (3) a public presentation in the area of special interest. Information concerning all phases of the comprehensive examination are available through the Chairman of the Department of Speech and Drama.

HONORS: An Honors Program is open to Speech and Drama majors. Candidates must show evidence of exceptional ability in the areas of research and creativity. For details, consult the chairman of the department.

1. FUNDAMENTALS OF EFFECTIVE SPEAKING. Study of the elements related to speech organization, speech delivery, and audience analysis. Emphasis upon student performance.

<i>Fall</i>	Freestone	7:45-8:45 a.m.	Thorne 8
<i>Winter</i>	Freestone	7:45-8:45 a.m.	Thorne 8
<i>Spring</i>	Modisett	11:05 a.m.-12:20 p.m.	Thorne 8

SPEECH AND DRAMA

X10. APPLIED SPEECH. Forensics laboratory.

Each Term Modisett 1/6 course per term 3:25-4:25 p.m. Thorne 8

11. INTRODUCTION TO ORAL INTERPRETATION OF LITERATURE. Techniques and skills related to the art of oral interpretation drawn from the intrinsic and extrinsic factors in prose and poetry.

Winter Paxson 1:15-2:15 p.m. Thorne 8

X20. APPLIED DRAMA. Participation in theater activities.

Each Term Paxson 1/6 course per term 3:25-4:25 p.m. Music-Speech 2

21. INTRODUCTION TO THE THEATER. Theater as an art form. Theatrical analysis of dramatic literature, and study of the technical aspects of the theater arts.

Fall Paxson 3:25-4:25 p.m. Music-Speech 2

X30. APPLIED THERAPY. Laboratory participation in Speech and Reading.

Each Term Freestone 1/6 course per term Section 1: 3:25-4:25 p.m. Thorne 9
 Freestone 1/6 course per term Section 2: 4:30-6:00 p.m. Thorne 9

31. INTRODUCTION TO PRINCIPLES AND METHODS OF SPEECH THERAPY. Nature and causes of speech defects. Diagnosis and prognosis of therapy. Clinic visitations.

Each Term Freestone Arrange Music-Speech 6

51. ARGUMENTATIVE AND PERSUASIVE SPEAKING. Advanced public speaking. A study of the logical and emotional bases of argument.

Fall Modisett 1:15-2:15 p.m. Thorne 8

52. GROUP DYNAMICS. Theory, principles and methods of group dynamics, leadership, and discussion.

Winter Modisett 11:05 a.m.-12:20 p.m. Thorne 8

71. ACTING. Study of the physical, mental and emotional bases of performance. Performance in Playmill programs. *Given in alternate years.*

Winter Paxson *Not given in 1966-67.*

72. DIRECTING. Examination and application of directing principles. Direction of Playmill program required. *Given in alternate years.*

Winter Paxson 2:20-3:20 p.m. Music-Speech 2

81. PHONETICS, VOICE AND DICTION. Study of the physical bases of speech and hearing; voice science, articulation, and critical auditing for defective speech.

Spring Freestone 8:50-9:50 a.m. Music-Speech 4

102-202. PSYCHOLOGY OF COMMUNICATION. The cognitive, semantic and speech bases of normal and disordered communication, including listening, reading, speaking, spelling and writing.

Fall Freestone 8:50-9:50 a.m. Thorne 8

111-211. ORAL INTERPRETATION OF DRAMATIC LITERATURE. Analysis and presentation of dramatic literature. Emphasis upon Greek, Elizabethan, 18th century, and contemporary drama. Reading performances.

Spring Modisett 2:20-3:20 p.m. Thorne 8

SPEECH AND DRAMA

112. READER'S THEATER I. Interpretation and staging of literature in traditional and experimental styles. Essays, short stories, letters.

Fall Paxson 11:05 a.m.-12:20 p.m. Music-Speech 4

113. READER'S THEATER II. Interpretation and staging of literature in traditional and experimental styles. Biography, speeches, novels.

Winter Modisett 8:50-9:50 a.m. Thorne 8

121-221. HISTORY OF THE THEATER. Survey of plays, dramatic presentations, and theatrical figures of major periods.

Spring Paxson 1:15-2:15 p.m. Thorne 8

132. AURAL REHABILITATION. Audiometric and therapeutic bases for the training and management of the deaf and hard-of-hearing. *Prerequisite: Speech-Drama 31, 81, or 102.*

Winter Griffiths 4:30-5:30 p.m. HEAR Clinic

133. LIP READING. Problems and techniques of speech reading for the aural handicapped. *Prerequisite: Speech-Drama 31, 81, or 102.*

Spring Griffiths 4:30-5:30 p.m. HEAR Clinic

199. HONORS.

Each Term The Staff Arrange Music-Speech 6

301. ADVANCED STUDIES AND RESEARCH. Research methodology. Special problems, for investigation and report, in theatre, rhetorical theory, language disorders and other areas in speech and drama.

Each Term The Staff Arrange Music-Speech 6

390. THESIS FOR MASTER OF ARTS DEGREE.

Each Term The Staff Arrange Music-Speech 6

ADMISSION

Admission to Occidental College is highly selective and the selection process reflects interest in students with intellectual vigor and ability, integrity of character, and maturity. The college desires students who have the energy to search for personal and intellectual values and the capacity for developing an awareness of the world about them. A balanced integration of personal and academic strengths is looked for in individual students, but the fundamental aim of the admission policy is to provide a balanced, diversified student body, in economic, social, ethnic, religious and geographical terms, as well as one which is reasonably well balanced in academic interests.

In evaluating an applicant's candidacy for admission, the Committee on Admission weighs a number of factors: the applicant's academic background, the recommendation of the secondary school, the support of teachers, the results of College Board Scholastic Aptitude and Achievement Tests, and evidence of responsible leadership, creative talent, or any other personal strength the applicant may have in non-curricular areas.

In judging academic qualifications for admission, admission officers are concerned primarily with the quality and depth of each student's preparation. Although no rigid pattern of subject matter is prescribed for entrance, a student who has prepared himself in four or five academic subjects each year throughout the last three years of secondary education will have an advantage. The following subjects are especially desirable as preparation for a liberal arts college program: English, foreign language, history, mathematics and laboratory science. The emphasis in each field will vary with the student's interests and goals, of course, but a strong program in high school should include four years of English composition and literature, at least two or three years of a foreign language, three years of mathematics (four for students interested in science or engineering), two years or more of history, and one year each of biological and physical science (students interested in science or engineering should include both physics and chemistry). Students whose records show significant irregularities in preparation are welcome to discuss them with an admission officer before filing a formal application.

Since the level of preparation varies among candidates and schools, there is no set grade average or class rank requirement for admission. However, candidates should present academic records considerably above the college recommendation level set by their schools. It is desirable to include advanced or honors courses in the high school program where these are available.

Approximately 400 freshman men and women are admitted in September.

No beginning freshmen are admitted to the winter or spring terms. Transfers with advanced standing are accepted in each term, the number depending upon available space. Applications should be filed before March 1 for the fall term, before November 15 for the winter term and before February 15 for the spring term. With the exception of Early Decision Plan candidates, the Committee on Admission normally will notify applicants of its actions in April for the fall term, by December 15 for the winter term, and by March 15 for the spring term.

ADMISSION PROCEDURE

All applicants should file the following credentials:

1. A formal application for admission, supplemented by a personal essay, a small photograph, and a nonrefundable application fee of \$15.00. No separate residence application is required; students admitted as residents are assured a room.
2. An official school record, and a recommendation by the secondary school principal, headmaster or counselor. An applicant who has attended college for one or more years need not submit the secondary school recommendation; an official secondary school transcript will suffice. In addition, transfer applicants must submit *official transcripts* of all college courses completed and a statement of *courses in progress*.
3. The results of the College Board Scholastic Aptitude Test, taken by January of the last year in secondary school. March tests arrive after most of the entering class has been chosen, but consideration sometimes is possible. Transfer students who have not taken the College Board Scholastic Aptitude Test and are unable to do so on one of the nationally scheduled dates may request special arrangements for testing at Occidental College.
4. The Committee on Admission recommends that applicants also submit the results of any three Achievement Tests of the College Entrance Examination Board including, if possible, the English Achievement Test.
5. Two references from the candidate's teachers. Transfer candidates with one or more years of college work should have both references submitted from the college they have attended, one of them from an appropriate administrative officer, i.e., dean, counselor, or adviser, and the other from a professor.

An interview is not required for admission, but applicants are encouraged to have a personal discussion with the admission staff if at all possible. The Admission Office is open from 9:00 a.m. to 5:00 p.m., Monday through Friday each week and from 9:00 a.m. to 12:00 m. on Saturdays, November 1

ADMISSION

through March 1. Appointments should be arranged in advance by letter or telephone, preferably before March 1. Upon request, the Admission Office will supply a list of Alumni Admission Associates who are available to interview students outside the State of California.

Upon notification of acceptance, a commitment deposit of \$25.00 is required. This will be applied toward fees for the first term. An additional deposit of \$75.00 toward room rent is required from an applicant accepted as a resident student. Since all rooms are rented for the entire college year, the residence deposit applies for the spring term. Both of these deposits are non-refundable. A medical history and a physician's statement must be submitted prior to registration. Please consult page 173 for details about this requirement.

EARLY DECISION PLAN

Students for whom Occidental is a primary interest may file for consideration under an Early Decision Plan intended for freshmen. In addition to the standard credentials required of all applicants, including the College Board Scholastic Aptitude Test, an Early Decision candidate must submit a statement that Occidental is his primary choice of college. Results of the March, May, or July Scholastic Aptitude Tests are acceptable for Early Decision candidates, as are also the November tests for students from California or Indiana. Although not required, it is recommended that the results of any three College Board Achievement Tests taken in March, May or July of 1966 be submitted.

Students may request appropriate materials for an Early Decision any time after completion of the junior year of secondary school. Applications should be submitted not later than December 1. Applicants for financial aid also must submit the Parents' Confidential Statement of the College Scholarship Service. Committee action on Early Decision applications will be announced as soon as possible, but no later than January 1, so that the candidate may not need to file applications at other colleges. Students accepted under the Early Decision Plan must submit by January 15 a commitment deposit of \$25.00 and a room deposit of \$75.00, both of which are nonrefundable.

Acceptance and financial aid under the Early Decision Plan are restricted to strong candidates. Those applicants not accepted initially will be reviewed again automatically, and their preference for Occidental will be given as much consideration as possible.

COLLEGE ENTRANCE EXAMINATION BOARD

The Scholastic Aptitude Test (SAT), which is required of all applicants, and the Achievement Tests, which are recommended, are administered by the

ADMISSION

College Entrance Examination Board. Each applicant is responsible for applying directly to the Board for these examinations. The Board publishes a Bulletin of Information, which may be obtained without charge, containing application blanks, rules, fees, sample questions and other necessary information.

The Scholastic Aptitude Test and the Achievement Tests will be offered by the College Entrance Examination Board on five dates in 1966-67. In addition, a special administration of the Scholastic Aptitude Test, *for California and Indiana students only*, will be offered in November. Application should be filed with the Board at least four weeks in advance of the date of the test for students in the United States, Canada and Mexico, and eight weeks in advance for students in Europe, Asia, Africa, Australia, Central and South America. When requesting application forms, candidates should state which examination date has been chosen. Examination dates are:

*Saturday, November 5, 1966

(Scholastic Aptitude Test for
California and Indiana only)

Saturday, March 4, 1967

Saturday, May 6, 1967

*Saturday, December 3, 1966

Saturday, July 8, 1967

*Saturday, January 14, 1967

Candidates should make application by mail to the College Entrance Examination Board. Inquiries, completed applications and fees should be addressed to P.O. Box 1025, Berkeley, California, 94701, by students who wish to take the examinations in any of the following states or foreign areas: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, Northwest Territory, Yukon Territory, Province of Alberta, Province of British Columbia, Province of Manitoba, Province of Saskatchewan, Republic of Mexico, Australia, the Pacific Islands, including Japan and Formosa. Candidates who wish to take the examinations in any state or foreign area not given above should write to College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey.

The Board will report the results of the tests to the institutions indicated on the candidates' applications.

ADVANCED PLACEMENT AND CREDIT

Freshmen may be granted credit at the time of entrance for subjects in which they have completed College Entrance Examination Board Advanced Placement examinations with scores of 5, 4 or 3, this credit and placement resulting therefrom to be subject to review by departments concerned. Such credit may either count as part of the thirty-five courses required as a minimum for the Bachelor of Arts degree or may be in addition to the maximum of

*Applicants who for some reason cannot arrange for one of the earlier tests should write to the Admission Office to discuss the circumstances.

ADMISSION

thirty-six courses at Occidental (see page 35). Applicants who have completed courses at an accredited college prior to graduation from high school also may request consideration for appropriate recognition in the way of credit or placement. Credit earned either through Advanced Placement examinations or through college courses may make it possible to enter advanced courses and thereby provide a wider opportunity for choice of electives in the undergraduate program. In general, each student will be expected to carry a normal load during the period of his attendance at Occidental College.

ADMISSION OF TRANSFER STUDENTS

Each year the college is able to accommodate well qualified students desiring to enter at the sophomore, junior or (in special circumstances) senior level. A transfer student should present a college record above a "C+" average, together with statements of honorable dismissal from the collegiate institutions attended. Grades in previous academic work, scores in aptitude tests and personal references are all considered in judging an applicant's preparation and promise. Admission procedures are outlined on page 139.

In no case will advanced standing be granted in excess of twenty-six courses, or equivalent. Credit for work at other institutions is provisional during the first semester of attendance.

In exceptional cases, permission may be given to receive credit on examination for work equivalent to regular Occidental College courses, although not completed at a recognized collegiate institution. Formal application for such examinations and satisfactory evidence of the work completed must be presented to the Registrar.

Transfer students are expected to complete equivalents of the general degree requirements outlined on pages 35-36. A statement of recommended equivalents may be obtained from the Admission Office. As many of these requirements as possible should be fulfilled in the freshman and sophomore years in order to complete degree work in normal sequence. Provision may be made, however, to include deferred general requirements in course work taken at Occidental subsequent to transfer.

Information concerning graduate study, including requirements for admission to graduate standing, will be found on pages 42-48.

ADMISSION AS A SPECIAL STUDENT

It is sometimes possible for a mature adult to be admitted as a special student and to be so classified for one year. Upon satisfactory completion of a full year of work a special student may apply for classification as a candidate for the degree of Bachelor of Arts. As such, he will be expected to meet in full all degree requirements.

No one will be admitted as a special student who has been in attendance at another institution within two years of the date of his application. Special students are subject to all of the rules and regulations which apply to regular undergraduate students.

ADMISSION OF INTERNATIONAL STUDENTS

Credentials from schools and colleges in foreign countries will be evaluated in accordance with the established regulations governing admission.

As part of the total program in international education at Occidental, the college admits each year a number of students from foreign countries. With some exceptions, international students must apply through recognized international student agencies, such as the Institute of International Education, the African Scholarship Program of American Universities, and American Friends of the Middle East.

Students from non-English speaking countries must present acceptable evidence of competence in English sufficient to permit them to follow Occidental College courses successfully. If it seems advisable, the college may require an applicant to pass an English aptitude test, or to take an intensive course in English for foreign students at an institution in the United States which offers such courses, prior to establishing residence at Occidental.

Students from other countries also must present evidence that sufficient funds will be available for their travel and for their academic and living expenses, either through authorization to convert the currency of their countries into dollars or from sources available in the United States. An international student must not depend upon earnings from employment in the United States for any significant portion of these expenses, particularly during the first two years of his stay here. Furthermore, he must have a *bona fide* sponsor in the United States who is willing and able to grant him financial and other aid as needed.

Insurance policies covering health, hospitalization and accident are required of all international students as a prerequisite to their registration. Consult the Comptroller's Office for details.

There are certain funds at Occidental College which are used annually for financial assistance to qualified students from foreign countries. An applicant should request financial aid consideration through the foreign student agency through which he is applying for admission.

ADMISSION OF VETERANS

Occidental College gives recognition to in-service educational experience. Each veteran applying for entrance is required to file a true copy of his discharge certificate with his application.

FEES AND EXPENSES

Occidental College is an independent institution which receives no support from taxes or other public funds. Each student is charged a tuition fee which covers about two-thirds of the cost of services given to him by the college. The balance of these costs is met by income from endowment and by gifts from trustees, parents, alumni and other friends who are interested in the type of education which this institution provides.

The expenses of students at Occidental College are shown in the schedules which appear in this section of the catalogue. The college reserves the right to change fees, modify its services or change its programs should economic conditions or national emergency make it necessary to do so.

Basic college expenses for a nonresident undergraduate student are \$1,700 per year, and for a resident, \$2,690. Books and supplies, special fees and personal expenses will vary with the individual. The college estimates that they will be between \$200 and \$500 per year.

TUITION AND GENERAL FEES (PER TERM)

Tuition:

Two or three courses ¹	\$550.00
Less than two full courses, per course	200.00
Fractional courses; per course (See page 35)	50.00
Student Body Fee ^{2,3} (Required of all full-time undergraduates) ..	11.00
Accident Insurance (Required of all full-time undergraduates) ..	6.00
Application Fee (Required of all new students)	15.00
Summer Term (See Summer Term Bulletin)	

¹Tuition is the charge for instruction and general services of the college, including privileges of the Library, Gymnasium, Swimming Pool, Health Center; admission to all athletic and forensic contests sponsored by the college; and graduation. The privilege of the Artist Series is extended to all full time students, subject to established ticket procedures and a student capacity of approximately 60% of Thorne Hall at each event.

²This fee is collected by the college for the student body which carries on its operations as a department of the college. The annual budget must receive the approval of the President of the College. The funds are administered by the Executive Committee of the Associated Student Body. The net worth, which changes with the results of operations from year to year, is available for general college purposes under the direction of the Board of Trustees. The payment of the fee includes (1) subscription to the college paper and annual, (2) student body and class membership, and (3) dues for membership in Associated Women Students.

³Graduate students may pay the Student Body Fee if they wish the privileges it covers.

FEES AND EXPENSES

RESIDENCE HALLS—ROOM AND BOARD (PER TERM)

Men's Residences	\$325.00-350.00
Women's Residences	330.00

A non-refundable deposit of \$100.00 is required for reservation of a room.

For Residence House Dues—see Special Fees, page 146.

Tuition, room and board, student body and certain other fees are payable each term on or before the day of registration. Deferred payments may be arranged on the following basis:

One-third or more in cash at registration. Balance may be paid one-half on the first day of the first month following registration and one-half on the first day of the second month following registration.

Other arrangements, satisfactory to the Comptroller, may be made before registration, but all college charges must be paid by the completion of each term and prior to registration for the subsequent term. In the event that it is necessary to defer an unpaid balance beyond the term in which the charge was incurred, interest at 6% will be charged on the outstanding amount.

A service fee of \$1.00 is charged for each \$100 deferred. Scholarships and grants-in-aid given by the college may not be used in lieu of cash at registration.

SPECIAL FEES

Payable upon notice from Registrar's or Comptroller's Office.

Appointment Service, Department of Education:

For students recommended by Occidental College. no charge

Renewal fee for students recommended by

Occidental College \$ 5.00

Fee for students not recommended by Occidental College. 20.00

Assembly Ticket Book (replacement for lost book) 1.00

Auditor's Fee (for non-registered students):

Lecture Course 100.00

Laboratory and Creative Art Courses (per course) 200.00

Change in Schedule. 3.00

Credit by Examination (Based on individual study) per course. 20.00

Duplicate Receipt for Student Bill. 1.00

Education Department—Student Teaching (see course offerings.

These fees are non-refundable).

Examinations Given at an Irregular Time. 3.00

FEES AND EXPENSES

Miller Analogies Test—group test	\$ 3.00
individual test	5.00
Music, Applied—Individual Instruction	60.00
Piano Class	12.00
Practice Fees (See Page 110.)	
Physical Examination	
Late—First Week after Registration	5.00
Each Week Thereafter	1.00
Registration, late, per day	3.00
Residence House Dues: Men \$2.50 Women	3.00
Teacher's Credential Fee, per credential	15.00
Thesis for M.A. Degree, Binding fee, per copy	10.00
Transcript of Credits, one copy free; thereafter, per copy ¹	1.00
One week's time required for processing.	

REFUNDS

Since faculty engagements and other commitments are made by the college for the entire year in advance, the following refund schedule has been established in order that the college and the student may share the loss equitably when it is necessary for a student to withdraw:

Withdrawal within ten days after registration—full tuition less 20%.

Withdrawal after ten days and within the fifth week after registration—
one-half of tuition.

Withdrawal after five weeks—no refund.

In the case of music fees, a pro-rated balance, less \$3.00 will be refunded. A refund of other fees will be made on the same basis as that of tuition with the exception of residence charges which are detailed below.

No refund except for board will be made to a student who is dismissed or suspended. Refund for board will not be made for an absence of one week or less nor for the first week of a prolonged absence. Refund on room will be pro-rated only if room is re-rented within the term and all other dormitory rooms are filled.

All refunds must be requested by letter with full explanation, date of receipt of which determines the refund period.

1Transcript of credits will not be given unless outstanding obligations to the college have been paid in full, or satisfactory arrangements made therefor.

SCHOLARSHIPS, PRIZES AND STUDENT AID

The college is able to provide varying amounts of financial assistance to worthy and qualified students in the form of grants, scholarships, loans and jobs, or some combination of these. The total number and amount of awards made each year are based upon resources available from scholarship endowment, annual gifts restricted to scholarship awards, and the general funds of the college. The funds are the consequence of the desire of the college and its friends to recognize merit and to insure a balanced student body.

In all awards, except for those specifically indicated, financial need will be taken into consideration. Other bases for the selection of recipients of financial assistance are scholastic excellence, aptitude test scores, and the applicant's general record of activities and citizenship.

Occidental College participates in the College Scholarship Service (CSS) of the College Entrance Examination Board. Participants in CSS subscribe to the principle that the amount of financial aid granted a student should be based upon financial need. The CSS assists colleges and universities and other agencies in determining the student's need for financial assistance. Entering students seeking financial assistance are required to submit a copy of the Parents' Confidential Statement (PCS) form to the College Scholarship Service, designating Occidental College as one of the recipients, by March 1. The PCS form may be obtained from a secondary school or from the College Scholarship Service, P.O. Box 176, Princeton, New Jersey, or P.O. Box 1025, Berkeley, California 94704.

The word "package" has recently made its way into scholarship programs. This word implies the use of grants or scholarships, loans and/or jobs to meet the need of a given student. Increasingly the college is employing this approach to student aid. The use of loans and campus jobs enables the Committee to spread available scholarship money over a larger number of cases and thus assist a greater number of deserving students.

Information concerning financial assistance at the graduate level may be obtained from the departmental chairman involved. The Intercollegiate Program of Graduate Studies is described in detail on page 46.

Job opportunities are available through the office of the Coordinator of Guidance and Placement Services.

SCHOLARSHIPS

SCHOLARSHIPS AND GRANTS

SCHOLARSHIP GRANTS FOR NEW STUDENTS: Scholarship Grants are awarded in proportion to the degree of financial need and are made for one year only. Since funds are limited, Scholarship Grants are awarded on a selective basis and thus previous records and apparent promise of candidates usually are factors which determine the awards. In most cases a Grant will be supplemented by a loan (long term) and/or a campus job. In general, Scholarship Grants will be renewed if the recipient maintains a satisfactory record and financial need continues. In the junior and senior years at least a portion of the award will be in terms of a long-term loan even though the original award may not have included either a loan or a job factor. The amount of the Grant may range from \$100 to \$2,700.

ALUMNI SCHOLARSHIPS: In addition to Scholarship Grants the college awards a limited number of Alumni Scholarships to freshmen. Financial need is the controlling factor in the amount of money awarded, but outstanding scholarship and evidence of superior aptitude are primary criteria in determining the recipients. These scholarships are four-year awards and carry a financial stipend of from \$500 to \$2,700 per year. In order to retain an Alumni Scholarship, it is necessary to maintain approximately a "B" record.

SPECIAL SCHOLARSHIPS: The American Chemical Society, the Southern California Association of Physics Teachers, the California Scholarship Federation, Alpha Gamma Sigma, the California Congress of Parents and Teachers, and the United Presbyterian Church, U.S.A., have special scholarships open to properly qualified applicants. Information concerning these special scholarships may be obtained through either the organization named or the Director of Student Aid.

SCHOLARSHIP GRANTS FOR STUDENTS IN COURSE: Sophomores, juniors, and seniors who establish financial need and who have attained satisfactory academic and citizenship records are eligible to apply for consideration for Scholarship Grants. Loans and campus employment will be included as a part of the "package" in most instances with the amount of the loan increasing as the student approaches graduation.

If a student who has been the recipient of either a Scholarship Grant or an Alumni Scholarship at Occidental College transfers to an institution of approximately comparable cost, he may be required to sign a note for the amount of such grant or scholarship, which ultimately must be repaid to the College.

LOAN FUNDS: Through the generosity of many friends of the college, student loan funds totaling approximately \$477,483 are available from which loans are made to students at low interest rates. These loans are to be repaid with-

SCHOLARSHIPS

in ten years of graduation and are limited to students of acceptable scholastic standing and economical habits of expenditure.

THE NATIONAL DEFENSE ACT LOAN FUNDS are a part of the college loan funds and are available on application to the Committee on Scholarships and Student Aid in the same manner as other funds. Priority is given to persons going into education and to those majoring in the sciences and foreign languages.

INTERNATIONAL STUDENT SCHOLARSHIPS: Occidental College has designated certain funds to be used annually for financial assistance of qualified students from foreign countries accepted for admission. Details are available through the Committee on Scholarships and Student Aid.

SCHOLARSHIPS SUPPORTED BY ENDOWMENT FUNDS

ALPHA SORORITY SCHOLARSHIP, now \$19,645, the income from which is awarded annually to one or more junior or senior women whose qualifications and need have been established by the scholarship committee.

ANONYMOUS AND UNRESTRICTED SCHOLARSHIP FUNDS, in the amount of \$665,873, the income from which is used to assist worthy students.

CAPTAIN HERNALDO R. AVILA MEMORIAL SCHOLARSHIP FUND, in the amount of \$14,003, the income to be used to assist worthy men students.

EDWIN E. BEEBE, now \$3,070, established in 1951 by the family and friends of Edwin E. Beebe, '31, for one or more worthy and needy students of high character and good sportsmanship interested in physical education as a career.

BETA PHI DELTA SCHOLARSHIP, \$1,505, a gift from the Beta Phi Delta Alumnae, established in 1965, the income from which is to be available annually to assist one or more junior or senior women.

JOHN AND ANNIE E. K. BIDWELL, \$29,400, a fund administered by the Board of Christian Education of the Presbyterian Church. Gift of John Bidwell, first man to lead an overland emigrant train to California in 1841. Died, Chico, California, in 1900.

HELEN BIRD SCHOLARSHIP, \$35,000, established in 1960 by the Board of Trustees, the income annually to be awarded to one or more outstanding students in music of high scholarship and with ability and promise in some aspect of music as a performing art.

REMSEN D. BIRD SCHOLARSHIP, \$3,625, established by an anonymous alumnus and trustee, to assist a worthy and needy young person.

ROBERT G. AND AMANDA J. BLEE, \$2,000, a gift in 1919 by Mr. and Mrs. Blee, pioneers of Santa Ana.

LOUISE AND MARION BONSAK, \$10,000, a gift in 1934 of Mrs. Louise Bonsack of Pasadena in the name of herself and daughter.

DR. EDWIN FORREST BOYD of Los Angeles, \$355, a gift in 1924.

ANNA LILLIAN BRADY MEMORIAL SCHOLARSHIP FUND, \$4,000, established in 1962, the income to be used for the financial assistance of worthy and needy students.

SCHOLARSHIPS

THEODORE S. AND EDITH NEWELL BROWN, \$26,572, established in 1957 by Mr. and Mrs. Theodore S. Brown for worthy and needy students.

ARTHUR W. AND ESTELLE McCLUNG BUELL MEMORIAL SCHOLARSHIP, now \$8,438, established in 1960 by the family and friends of Dr. Arthur W. Buell, '04, and Mrs. Buell, '05. Dr. Buell was a trustee of Occidental College from 1915 to 1960. Interest from this fund is to be awarded annually to one or more worthy junior or senior premedical students on the basis of scholastic achievement and need.

ESTHER M. BURROWES FUND, in the amount of \$5,100, the income to be used to assist a worthy student in preparation for theological studies.

MARY CAROLINE BUCKLEY MEMORIAL FUND, \$20,000, a bequest in 1965, income to be used for scholarships.

DEAN THOMAS GREGORY BURT, \$12,734, established by the Board of Trustees in recognition of his service as Dean of the College from 1909 to 1928. He administered the scholarship and student aid program of the college.

MARY S. CASWELL SCHOLARSHIP FUND, \$585,480, the income to be used to assist women to complete their high school education and, when considered advisable, to further their business, collegiate or professional careers in education.

ANNA B. CLARK of Los Angeles, \$1,500, a bequest in 1935.

MARY ANDREWS CLARK AND MARY MARGARET MILLER MEMORIAL, \$1,900, gift of Mrs. Elizabeth Abascal, Mr. and Mrs. J. M. Newell and Anna B. Clark of Los Angeles in 1928.

THE CLASS OF 1915 ENDOWED SCHOLARSHIP, \$26,599, the income from which goes to a "superior young person with an exceptionally high degree of scholastic attainment and who possesses qualifications for responsible and dedicated leadership."

HORACE CLELAND, \$1,100, established by the Alumni Association in memory of T. Horace Cleland, '03, for the best qualified upper-classman on the basis of need, merit and scholarship. Mr. Cleland was the son of Robert W. and Sallie Glass Cleland and elder brother of Dr. Robert Glass Cleland, '07.

LOUISE COOK MUSIC SCHOLARSHIP, a fund of \$1,524 established in memory of Mrs. Laurence R. Cook by her husband and friends to assist worthy students in the field of music.

ARTHUR G. COONS SCHOLARSHIP, \$3,748, established by an anonymous alumnus and trustee, to assist a worthy and needy young person.

EDNA PALMER COONS SCHOLARSHIP, \$40,040, established in 1965 by a gift of \$10,040 from the Occidental College Women's Club and \$30,000 by the Board of Trustees, the income to assist worthy students of Occidental College.

CORBETT SCHOLARSHIP FUND, \$105,063, a bequest in 1964, the income to be used for scholarships.

THE PHILIP R. CORRIN SCHOLARSHIP FUND, \$4,663, established in 1965 by family and friends, the income to be used to assist worthy and needy students.

O. G. CRAWFORD of Colton, a bequest in 1933 still subject to annuity payments and then available for scholarships.

ALBERT B. AND FLORENCE O. CUTTER, \$20,000, a bequest in 1930, the income to be divided equally between men and women students and preferably to students from Riverside, home of the donors.

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LILLIAN PASCAL DAY SCHOLARSHIP FUND FOR WIDOWS, \$32,765, the income from the fund to be used as scholarships and loans to needy worthy American widows.

JEAN CAMPBELL DEAN SCHOLARSHIP FUND, \$5,000, a bequest in 1961.

DELTA SORORITY SCHOLARSHIP FUND, \$14,312, the annual income from which is available for (1) the Delta Junior Achievement Award of \$100, and (2) the granting of scholarships to deserving Occidental women, preferably Deltas.

FRANCIS AND ADA C. DIMMICK, \$1,000, a gift in the Endowment Campaign of 1906.

ECONOMICS DEPARTMENT, \$19,050, established in 1947 by an anonymous Los Angeles friend, the income to be used for worthy students nominated by the department.

DAVID EMBERTSON MEMORIAL FUND, in the amount of \$647, established in 1961 by Mr. and Mrs. D. A. Embertson and friends in memory of their son, Class of 1960.

ENDOWED SCHOLARSHIP FUND, \$9,444, collected by the Classes of '16, '20, '25, '31, and '40, the income from which is added to general scholarship funds.

THE DAVID R. FARIES INTERNATIONAL SCHOLARSHIP, \$41,447, established by Mrs. David R. Faries in 1958, the income from which annually shall be awarded at the discretion of the faculty Committee on Scholarships to a student or students who shall be either (a) a foreign student majoring in any field of study, or (b) a student majoring in international relations, diplomacy and world affairs.

FIFTY-YEAR FUND, \$3,521, the income to be used to assist a needy or worthy student.

MISS R. M. FILES, \$1,000, a gift in the endowment Campaign of 1906.

FOUNDATIONS INCORPORATED, a sum of \$35,000, the income from which is to be used for student aid.

HOLLY FULTON SCHOLARSHIP ENDOWMENT FUND, established in 1960, an endowment of \$1,104.

THE ROBERT E. GROSS-LOCKHEED AIRCRAFT CORPORATION SCHOLARSHIP, \$25,000, the income to be used for scholarships and fellowships for students who intend to major in scientific, engineering, economic or other fields applicable to the aerospace, electronic, marine, manufacturing or construction industries.

GEORGE D. HALL MEMORIAL SCHOLARSHIP FUND, \$13,781, established by Mrs. George D. Hall in 1963, the income to be used to assist worthy students.

RAPHAEL AND NORMAN B. HERMAN, \$25,000, a bequest of Raphael Herman of Los Angeles in 1947 as a memorial in his own and his brother's names.

JOHN P. HERRICK MEMORIAL SCHOLARSHIP, \$29,882, the income from which is to be used for students of high ability, good character and financial need with preference to a student or students who are in the field of economics or geology.

MARTIN HOOVER, \$5,000, a gift in 1934 of Kate C. Hoover of Los Angeles in honor of her husband.

JOHN JAY HOPKINS, \$50,000, established in 1958 by gifts from his estate and from the John Jay Hopkins Foundation, in memory of Mr. Hopkins, x' 15, with a preference in favor of students majoring in mathematics or any one of the physical sciences.

SCHOLARSHIPS

MR. OSCAR R. HOWARD, \$25,000, established by Mrs. Howard in 1953 to aid men and women of promise who without financial help could not complete their college course.

DAVID TRAVIS HUYCKE MEMORIAL, \$25,000, established by his parents and relatives in 1949 as a memorial to their son, a member of the class of 1948, who lost his life in an airplane accident in Alaska while on duty with the Naval Air Corps, to which was added in 1956 a gift from the estate of his maternal grandparents, the late Mr. and Mrs. Cree T. Work of Texas.

CORSON W. IDE SCHOLARSHIP, \$17,520, established in 1962 to assist worthy young persons to obtain an education at Occidental College.

THE JAMES IRVINE SCHOLARSHIPS, \$85,000, gifts in 1956 and 1957 from the James Irvine Foundation, the income from which will be used to assist men and women students in the payment of college expenses. The benefits of this fund are limited to students residing in the State of California, with preference given to those residing in Orange County.

THE JANOFSKY-NIELSON MEMORIAL SCHOLARSHIP, \$12,215, established in 1961 in memory of Mr. and Mrs. E. Janofsky and Mr. and Mrs. H. T. Nielson.

FRED M. JOHNSON SCHOLARSHIP, \$650, the income from which is to be used to provide a worthy student, preferably an athlete, with all or part of his tuition.

ERNESTINE A. KINNEY FELLOWSHIP (U.S. Steel Foundation), \$10,000, the income to be used for a fellowship for postgraduate work in preparation for public school teaching.

RICHARD P. AND VIRGINIA P. KRATZ SCHOLARSHIP FUND, \$1,500, the annual income from which is to be used to assist needy and worthy students majoring in the physical or natural sciences.

CHARLES F. LINDSLEY SCHOLARSHIP IN SPEECH, \$20,622, established in 1957 by a gift from a friend of the college which is being added to by others.

JAMES N. LOCKE of Coachella, California, \$753, a bequest in 1945.

THE MACKENZIE SCHOLARSHIP FUND, \$57,445, to assist worthy young persons in obtaining an education at Occidental College, preference being given to those preparing for medicine.

FRANK N. MACPHERSON of Pasadena and formerly of Detroit, \$12,528, a bequest placed in trust and made available in 1950.

EMMA E. MAES—A gift of \$20,000, the income from which is used as grants to seniors for travel in Europe.

EMILIE C. AND ALBERT L. MEYER, \$14,266, a bequest in 1949 by Emilie C. Meyer for a student to be chosen in cooperation with the Westlake Guild of Immanuel Presbyterian Church of Los Angeles.

RICHARD W. MILLAR SCHOLARSHIP, \$16,581, the income from which shall be used annually to provide approximately a half-tuition scholarship grant to a senior who has achieved a satisfactory record in scholarship but whose campus citizenship and personal character and promise are not only worthy but outstanding.

ANNE MUMFORD, \$10,000, a fund established by the Board of Trustees in recognition of service as a member of that body 1930-1964 and as Executive Secretary of the John Randolph Haynes and Dora Haynes Foundation 1931-1952.

SCHOLARSHIPS

ANNA CLUTE NEWCOMB FELLOWSHIP IN DIPLOMACY AND WORLD AFFAIRS, \$25,000, established in 1963 by the Board of Trustees, the income to be used annually as a fellowship award to a graduate student in these or related fields.

J. M. AND ELLA E. NEWELL of Los Angeles, \$2,500, a gift in 1937 by the parents of Paul Newell, '28.

DR. AND MRS. GARRETT NEWKIRK AND JOHN MARTIN NEWKIRK, \$7,907, a bequest in 1928 of Mrs. Newkirk of Pasadena for a student preparing for Christian work.

ARTHUR AND FRANCIS W. NOBLE, \$16,173, a bequest in 1928 of Arthur Noble of Pasadena for a young man and a young woman of promise in their sophomore year.

H. P. PARSONS, \$5,000, a bequest in 1939 from a Long Beach friend.

J. I. PARSONS, \$1,000, a gift in 1903 by a Santa Rosa, California, friend.

EARLE & EVA PEASE SCHOLARSHIP, \$33,488, a bequest in 1965.

THE DR. WILLIAM B. AND SARAH PETTUS - CALIFORNIA IN CHINA MEMORIAL FUND, \$36,564, the income to be used for promoting and understanding a knowledge of the language, art, philosophy, culture and civilization of China, through scholarships, fellowships, grants, teaching, development of library and art collection of research.

PRESBYTERIAN CHURCHES IN SOUTHERN CALIFORNIA, \$5,025. The following Presbyterian churches each gave \$1,000 in the 1906 Endowment Campaign for which Occidental in conjunction with the church awards \$150 per year to an outstanding member of each congregation:

First Presbyterian Church of Glendale
Immanuel Presbyterian Church of Los Angeles
First Presbyterian Church of Long Beach
First Presbyterian Church of Santa Monica
First Presbyterian Church of Santa Ana

THE MOLLY PUTNAM SCHOLARSHIP FUND, \$50,000, the net income to be used for the purpose of assisting worthy and needy undergraduate and graduate students of deserving mind and promising ability and personality.

READER'S DIGEST FOUNDATION SCHOLARSHIP FUND, \$2,500.

OSCAR AND LEAH PHILLIPS ROBBINS MEMORIAL FUND, \$105,637, established in 1958, by the estate of Oscar Robbins.

MRS. L. SCHOONOVER, \$664, a gift of Miss Mary Schoonover in honor of her mother.

D. M. SHIPMAN, \$1,000, a bequest by L. Y. Pratt in 1915.

STEARNS SUSTAINING SCHOLARSHIP FUND, established in 1956, \$8,012, the income from which is added to general scholarship funds.

EVELYN BARTMAN STEARNS MEMORIAL SCHOLARSHIP, \$30,027, given by Francis A. Stearns, Class of 1915, the income to provide a full-tuition scholarship for a student of promising ability and potential, preferably from the Corona Unified School District, or if no such student is available, a student from Riverside County.

FRED STEBLER, \$10,427, a gift of Fred Stebler of Riverside in 1945. Mr. Stebler was a pioneer in the design and manufacture of citrus packing machinery.

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LOUESE PEIRCE SWITZER MEMORIAL, \$2,090, a gift in 1950 of Helene and Madelene Switzer, for a student interested in physical education, sports, and intercollegiate athletics and possessed of worthy character.

LIEUT. KEVORK V. TASHJIAN, '43, \$3,985, gift in 1945 of Dr. and Mrs. V. A. K. Tashjian in memory of their son, gallant officer of the 22nd Marines, killed in action at Okinawa, June 10, 1945, preferably for entering students as a morally repayable grant-in-aid.

MARY J. TAYLOR of Los Angeles, \$8,700, a bequest in 1951 from a friend deeply interested in Christian education.

THEATRE ENDOWMENT SCHOLARSHIP, \$4,853, the income to be used to assist a worthy student interested in the dramatic arts.

PEARL TIFFIN, \$30,000, gift of Dr. and Mrs. W. W. Tiffin of Los Angeles in 1914, in memory of their daughter.

WAR MEMORIAL, \$11,356, established in 1947-48 by gifts of alumni and friends of the college to honor the thirty-nine students who lost their lives in World War II.

ISABELLA WHYTE of Pasadena, \$14,000, a gift in 1931.

P. G. WINNETT, the sum of \$60,000, subject to life estate, the income then to be used for scholarships.

MAYME WRIGHT, \$1,000, the income to be used annually to assist worthy students.

SCHOLARSHIPS SUPPORTED BY ANNUAL GIFTS AND GRANTS

ALLEN HEATH MEMORIAL FUND, \$2,500 available in 1965-66.

ALUMNI FUND, made up of contributions from several hundred Alumni and allocated by the Board of Governors for scholarship purposes. In 1964-65, \$188,322 was available.

ACHIEVEMENT REWARDS FOR COLLEGE SCIENTISTS SCHOLARSHIP, \$1,500, awarded annually to a senior student in the physical sciences who demonstrates high potential for graduate study. Established in 1964 by the Foundation.

THE FLORENCE NORMA BRADY SCHOLARSHIP, established in 1954 by the Gamma Kappa Theta Sorority, to be administered by the Dean of Women for emergency purposes of scholarship grants to worthy students. Contributed to date, \$2,525.

THE C F BRAUN & Co. SCHOLARSHIPS, established in 1952 for outstanding young men of merit and need. In 1965-66 \$3,600 was available.

CROWN ZELLERBACH FOUNDATION SCHOLARSHIP, established in 1956-57 for an upper division student majoring in pre-medicine who is a citizen of the United States and is elected without regard to color, sex, creed, or country of origin. Financial need is not a primary consideration in the annual award of \$1,000.

CYPRUS MINES CORPORATION SCHOLARSHIPS, established in 1957 for awards to students in the physical sciences.

DEL MAR SCIENCE FOUNDATION SCHOLARSHIP, to be awarded to a deserving student in physics or science. In 1965-66 the amount available was \$500.

THE EBELL SCHOLARSHIPS of \$500 each, payable \$50 monthly, given by the Ebell of Los Angeles, to students who have matriculated and are residents of Los Angeles County, on a basis of need, academic ability, character and potential promise.

SCHOLARSHIPS

THE MARY PATRICIA DAVIDSON SCHOLARSHIP FUND, in memory of a late member of the class of 1949, supported annually by contributions from a foundation of like name. This scholarship grant is to be awarded annually to a worthy student of high character having financial need, morally repayable at the judgment of the recipient.

FARMERS INSURANCE GROUP, established in 1957 by the Farmers Insurance Group. Scholarships to be awarded to second, third and fourth year students. In 1965-66 the amount available was \$500.

THE WILLIAM C. FREE AND MAZY BELL FREE SCHOLARSHIPS, established in 1957 by the Mazy Bell Free Estate, for students who are needy, worthy, of deserving mind, and of promising ability and personality, one of whom must be in music. Scholarship grant may cover living expenses and tuition. Available for 1965-66, \$7,086.

THE WILLIAM N. AND JENNIE H. GOODWIN SCHOLARSHIP, \$450, established by the Jennie H. Goodwin Estate for aid in vocational training.

LAWRENCE E. HANSEN FOUNDATION, \$2,000 available in 1965-66.

THE HAYNES FOUNDATION SCHOLARSHIPS, one full-tuition scholarship and one tuition-subsistence scholarship, are awarded annually to superior students who are majoring in the social sciences.

FRANCIS MOFFAT HOPE SCHOLARSHIP, \$1,425, established by the Hoyt M. and Rose B. Leisure Foundation, to be awarded to a student preparing for actuarial work who is deemed worthy academically and possesses a financial need. First preference shall be a son or daughter of an employee of the Occidental Life Insurance Company, or an employee of that company.

THE JAMES S. KEMPER FOUNDATION SCHOLARSHIPS, each providing \$1,000 annually for four years, are awarded to qualified young men contemplating careers in insurance administration. For a fifth year, in a graduate school, \$1,000 additional may be available. Financial need is not a factor in this scholarship.

LAYNE FOUNDATION SCHOLARSHIPS, two full tuition scholarships awarded annually, established in 1957 for the benefit of students majoring in religion and preparing to enter full-time Christian service.

THE OCCIDENTAL COLLEGE WOMEN'S CLUB SCHOLARSHIP FUND, established by the Occidental College Women's Club and based on receipts from the Thorne Hall Travel Series; the money to be used for emergency purposes as determined by the Dean of Men and Dean of Women and for scholarship grants to worthy students.

THE ROBERT GRANT MARTIN GRADUATE SCHOLARSHIP IN ENGLISH, \$225, established by the Board of Trustees in 1931, in honor of Dr. Robert Grant Martin, Professor of English, 1924-31.

THE GEORGE HENRY MAYR SCHOLARSHIPS, established as a trust fund administered by the Beverly Hills National Bank and Trust Company, by George Henry Mayr of Beverly Hills in 1949. The Trustees name the institutions to benefit from this fund and the amount to be distributed on a yearly basis. The college designates the persons to receive the scholarships. In 1965-66 this fund amounted to \$13,500.

CHARLES FREDERICK MORSE SCHOLARSHIPS, established as a memorial in 1958 for Department of Music scholarship grants, to be administered by the chairman of the department. Total to date, \$3,393.

OCCIDENTAL LIFE INSURANCE COMPANY, \$1,000 available in 1965-66.

SCHOLARSHIPS AND PRIZES

PACIFIC OUTDOOR ADVERTISING COMPANY SCHOLARSHIP, \$1,500, established in 1965 and awarded to an outstanding freshman who anticipates a future in the advertising profession. The scholarship is supplemented by summer employment with the company.

AVIS SCOTT PORTERFIELD TRUST FUND: Scholarships awarded to young men and women from the San Diego area, administered by the college in consultation with Lowell Davies, trustee of the fund. In 1965-66 this amounted to \$3,000.

MABEL WILSON RICHARDS SCHOLARSHIP FUND, \$5,000 awarded annually, beginning in 1952-53, to young women residents of Los Angeles on the basis of need and sound scholarship. Trustees are Mrs. Ruth Walker and Mr. Carey S. Hill.

JACK SAMUELSON SCHOLARSHIP, full tuition for a deserving young man or woman who is planning service in a full-time Christian activity.

THE H. B. SILLIMAN SCHOLARSHIP, \$50, received through the Board of Education of the Presbyterian Church in the U.S.A.

THE SIGMA ALPHA IOTA MUSIC SCHOLARSHIP, \$240, given annually by the Occidental College chapter of Sigma Alpha Iota to an upper division music major of high musicianship and need.

THE ALFRED P. SLOAN NATIONAL SCHOLARSHIP, established in 1958, a grant up to \$1,800 annually for four years (as determined by the Committee on Scholarships), given by the Alfred P. Sloan Foundation, Inc., to a male student preferably in mathematics, the sciences, engineering, or business administration, beginning with the freshman year and renewable upon commendable performance.

SOUTHERN CALIFORNIA COMMITTEE FOR THE OLYMPIC GAMES, tuition plus fees, for a junior or senior man who by his personal qualifications in addition to his athletic ability gives promise of outstanding leadership in track and field.

THE WILLIAM R. STAATS AND COMPANY SCHOLARSHIP, \$1,100, established in 1954 for students in economics, selection to be made by the Scholarship Committee in consultation with the department.

TEACHER EDUCATION SCHOLARSHIPS OF THE CALIFORNIA CONGRESS OF PARENTS AND TEACHERS, grants of \$400 for two students entering elementary or secondary education.

TIMES MIRROR SCHOLARSHIPS, to assist worthy and needy students whose fields of study are economics, history, political science, or psychology. First preference in awarding it to sons and daughters of employees of the Times Mirror Company. In 1965-66 this fund amounted to \$2,000.

THE TORCHLIGHTER SCHOLARSHIP for \$600 is awarded on the basis of academic excellence (at least a "B" average), leadership potential, and financial need, to an upper-division student majoring in education. The candidate for the Torchlighter Scholarship should demonstrate, to a marked degree, the qualities of character and the motivations inferred by Plato when he said, "Those having torches will pass them on to others."

THE UNITED CALIFORNIA BANK SCHOLARSHIP, established in 1957, to assist deserving young men in their junior and senior years who are planning to follow a business career.

PRIZES AND SPECIAL FUNDS

ARNSTON MEMORIAL AWARD, established in 1965 from a bequest in the amount of \$10,574, the income from which shall be used annually for an award to the person who, in contest, shall submit the best essay on "Man: His Function and Place in the Universe," said essays not to be based on the Scriptures or Dogma.

THE A. J. BRUNT MEMORIAL AWARD, established in 1965 by Mr. and Mrs. Richard H. Brunt as a memorial. The sum of \$100 is awarded annually to a sophomore man or woman judged to be outstanding in terms of sound scholarship, high moral character and leadership potential.

THE CHARLES W. LIST MEMORIAL AWARD: Two or more prizes annually from the income of an endowed fund of \$31,698, to be awarded equally to at least one man and one woman chosen from the top one-third of the freshman class ranked scholastically and based on achievement rather than need. Each award is \$500. Factors to be considered are: (1) leadership, (2) character and personality, (3) maturity of purpose, and (4) good citizenship and Christian ideals. If the student is not in residence, the amount may be reduced. The endowment supporting this award was contributed by two sisters and a daughter in memory of Mr. List, an alumnus of the Class of 1908.

DANIEL STEWART HAMMACK MEMORIAL—JUNIOR CLASS HONOR AWARD: \$10,359, established in 1955 by Mrs. Daniel S. Hammack, Dan S. Hammack, Jr., and friends as a memorial to the late Daniel Stewart Hammack, '05, trustee from 1925 to 1953. The sum of \$250 to be awarded annually at the Commencement season, to a junior man and woman judged to be outstanding on grounds of high scholarship, strong moral character, loyalty to the Christian ideals of the college, and contributions to student life and welfare.

THE OSGOOD HARDY MEMORIAL AWARD of \$25, given annually to an outstanding major in the field of history who is a junior or senior.

SELTZER AWARD: An award of \$100 each to the freshman man and freshman woman with the highest average for the year. Provided through funds given by Mr. Jules E. Seltzer, matched by college funds.

THE ERNESTINE KINNEY AWARD: A plaque presented in 1961 by the Delta Omicron Tau Sorority and given annually to the outstanding senior woman majoring in education, selected by the Education Department faculty on the basis of teaching potential, leadership capability and academic excellence.

THE MARTIN DWELLE KNEELAND PRIZE FUND: From this fund of \$3,295 an annual award is made. This may be given once in his or her college course to a student preparing for the ministry or other religious work who has shown good all around scholarship and character and is in need of financial assistance.

SANDRA MATSON REVOLVING STUDENT BOOK LOAN FUND, \$1,300, established by the Echo Park Methodist Church in Los Angeles as a memorial. One-half of the amount is available for loan to women and one-half to men through the respective offices of the personnel deans.

THE ROBERT T. MOORE POETRY PRIZES: From an endowment of \$2,500, the gift of Dr. and Mrs. Robert T. Moore. Prizes of \$50, \$30, and \$20 are annually awarded for the three best poems written by undergraduate students.

OCCIDENTAL FACULTY WRITING AWARDS: Each year Certificates of Recognition of Achievement in Writing, and awards ranging from \$5 to \$100, are made to students whose writing is deemed best in the college among entries submitted for consideration by either students or members of the faculty to a faculty committee of judges who consider each entry both for award in its own field (creation, science, arts, social sciences, humanities) and for Grand All College Award.

PACIFIC RAILROAD SOCIETY FUND: An endowed fund of \$3,250, established by the Pacific Railroad Society, Inc., the income from which shall be used for research by students or faculty members concerning the part played by railroads in the history of the West or any phase of the railroad industry, and for scholarships and/or student aid for students interested in the field of economics, political science or history wherein some part of the course involves some phase of the railroad industry.

PRIZES AND LOAN FUNDS

THE STERLING MORTON CONSTITUTIONAL ESSAY FUND: From an endowment of \$11,335 established by Sterling Morton, annual prizes of \$100, \$50, and \$25 are awarded for the three best essays submitted by an undergraduate on subjects related to the history and Constitution of the United States.

THE ALFRED S. AND ELIZABETH D. PETERS MEMORIAL MUSIC PRIZE: Given in memory of Mr. and Mrs. Peters by members of their family and friends. An endowment of \$2,225 provides an annual award of \$100 to the music major who in the opinion of the faculty has done the most during the year to advance the ideals and the prestige of music on the campus.

THE PERCY F. SCHUMACHER AWARD: An endowment of \$1,000, to be used for a plaque awarded annually to the senior who in his or her college career has made an outstanding contribution to the work of the college within the field of the dramatic arts.

THE RAYMOND M. SELLE MEMORIAL AWARD, established in 1960 by the family, former students and friends of the late Raymond M. Selle, '20, Professor of Biology from 1923 to 1960 and chairman of the department from 1944 to 1956. The sum of \$100, interest from a portion of the Raymond M. Selle Endowment Fund for Biology and Premedicine, amounting to \$6,684, is to be awarded annually to a junior biology or premedical student on the basis of high scholarship, character and active participation in college activities, with emphasis on the biology department. The remainder of the income from the endowment fund is to be made available to the biology department.

ELINOR REMICK WARREN AWARD: \$1,500, the income to be used to provide an engraved trophy presented annually by Elinor Remick Warren to the outstanding student composer on the campus.

THE FRED H. SCHAUER PRIZE FUND: \$2,500. From this fund, annually, a trophy is purchased and awarded to the winner of a football kicking contest held in conjunction with the college athletic program.

THE B. H. CULLEY TROPHY: Established in 1956 by the Associated Men Students in honor of the Dean of Men to be awarded annually to the outstanding freshman basketball player.

THE JIM HARVEY TROPHY FUND: \$240. Established in 1941 by John L. Harvey in honor of his son. The income from this fund is used to purchase, annually, a trophy to be awarded to a member of the track team.

ATHLETE OF THE YEAR TROPHY: Established in 1951 by the Associated Men Students to honor the outstanding graduating senior in the field of intercollegiate athletics.

INTER-FRATERNITY SING PRIZE FUND: An endowment of \$4,000 given by Mrs. Alphonzo E. Bell, the income from which is to be used as prize money for the annual sing.

STUDENT BOOK COLLECTION CONTEST: A Student Book Collection Contest, open to juniors and seniors who are not previous winners, is sponsored annually by the Library Patrons to encourage student ownership of books. First, second and third prizes of \$75, \$50, and \$25, respectively, are awarded each spring.

LOAN FUNDS

The following revolving student loan funds are held in trust by the Board of Trustees and are administered by the Committee on Student Aid:

Associated Men Students	\$ 100
The John Willis Baer Memorial	2,025
Bay Area Occidental Parents Club	100

LOAN FUNDS

Frank C. Bolt	4,990
Mary E. Brandt	3,500
Bertha B. Caldwell	540
James Ross Clark—Gift of Mrs. J. R. Clark	5,050
Muriel Stewart Cleland—Gift of Occidental Faculty Women's Club ...	5,778
Sallie Glass Cleland—Gift of Mary Stewart	500
Bing Crosby Youth Foundation	2,000
The Mary C. Cunningham Fund—Gift of Occidental College Women's Club	2,527
William Davis Memorial	100
George E. Dayton	1,000
Delta Omicron Tau Sorority	1,005
Erdman Hall	125
Ida E. Fraser	7,014
Mary Lindley Galloway	55,100
Cecil H. Gamble	7,000
Dr. and Mrs. Roy Gilliland	50
D. W. Hanna College Club	1,206
Mrs. O. T. Johnson	2,658
Leonard and Louise Jones	5,000
Mrs. Lora C. Knight	5,000
Mrs. John Lloyd-Butler	425
Euclid W. and Elizabeth McBride	4,945
Zechariah D. Mathuss—Gift of Mrs. Z. B. Mathuss	5,000
Sandra Matson	225
Mr. and Mrs. C. A. Miller	1,500
Charlie Louise Montgomery—Santa Ana Chapter U.D.C.	5,035
Seeley W. Mudd—Gift of Mrs. S. W. Mudd	3,600
Occidental No. 1—Gift of Clarence J. Gamble	11,184
Occidental No. 2 and No. 3—Gift of Clarence J. Gamble	21,948
Orr Hall	89
George J. Pastre Memorial Fund	1,184
Phi Gamma Delta Mothers' Club	50
The George and Emma Reinhakel Fund	1,350
Julia Ellen Rogers Memorial	10,000
Bess Honor Shapiro	300
The Shinner Foundation Educational Assistance Fund	255,323
Albert Stone Foundation	3,113
Gertrude S. Thomas	5,000
Myrtle Thompson-Ida Uzzelle Memorial Loan Fund—Gift of Gamma Kappa Theta Sorority in 1959. (Administered by the Sorority 1924-1959)	3,200
Walter Van E. Thompson	1,750
Charles H. Thorne	5,000
George H. Walker	1,500
Albert Davis Williams	17,637
William S. Young—Gift of Board of Christian Education, Presbyterian Church	9,181
Zeta Tau Zeta	75

LOAN FUNDS

SPECIAL LOAN FUNDS

Administered by the Dean of Men:

MACINNES LOAN FUND, established by Dr. Ned D. Miller as a memorial to Rev. John M. MacInnes, consisting of short-term non-interest bearing loans of \$25 or less	\$ 1,250
ROLLA F. DENNIS LOAN FUND, established as a memorial by Herbert Dennis	335
BESS SHAPIRO HONOR LOAN FUND, established as a memorial by Dr. Morton Shapiro and Nancy Shapiro Frank	300

Administered by the Dean of Women:

FANNY ALBINGER LOAN FUND, established in 1955 in memory of Fanny Albinger	1,210
D.A.R. LOAN FUND, established in 1940 in memory of Mrs. Mary E. Fisk	50
NEWCOMB LOAN FUND, established in 1958 by Mrs. James G. Newcomb	1,000
JULIA A. PIPAL LOAN FUND, established in 1941	100
WOMEN'S UNIVERSITY CLUB JUNIORS, established in 1938	50

HIGHLAND PARK KIWANIS CLUB STUDENT LOAN FUND, established in 1958. In 1965-66 the fund totaled 3,745

VICTOR ALDEN ROBERTSON AND GEORGIA MAXWELL ROBERTSON EDUCATIONAL FUND, implemented in 1953 by a substantial token payment later to be augmented by further payments and testamentary provisions.

The following organizations administer their own scholarship and loan funds from which material assistance has been made available in recent years to Occidental students:

American Association of University Women, Glendale Branch.
 American Association of University Women, Los Angeles Branch.
 Beta Phi Delta Sorority.
 Beverly Hills Woman's Club.
 Business and Professional Women's Club of Pasadena.
 Eagle Rock Kiwanis Club.
 Ebell Club of Los Angeles.
 Los Feliz Women's Club.
 Omega Mu Pi.
 Pasadena College Women's Club.
 Rotary Club of Alhambra.
 Rotary Club of Glendale.
 Rotary Club of Hollywood.
 Rotary Club of Los Angeles.
 Rotary Club of Pasadena.
 Shakespeare Club of Pasadena.
 Henry Strong Foundation.
 Twentieth Century Club of Eagle Rock.

RESIDENCE

The residence facilities of the college include eleven residence halls. Wylie, Stewart-Cleland, Bell-Young, Pauley and Braun Halls accommodate 530 men on campus. Orr-Chilcott, Erdman, Haines and Newcomb Halls provide on-campus living for 466 women. In addition, a new co-educational residence complex with two sections, one housing 90 men and the other 60 women, with communal facilities will be ready for occupancy in 1966. All residence facilities are under the supervision of carefully selected Head Residents.

Accommodations in the residence halls include both single and double rooms, some of which have sleeping porches. All meals are served in the College Union Dining Room and are planned from the viewpoint of both attractiveness and sound dietetic principles.

MEN

All freshman men are required to live in the college halls of residence. In 1966-67, sophomores who do not live at home must live in college residence halls or fraternity houses. Junior and senior men, if not living at home, may live in residence halls, fraternity houses or off-campus accommodations.

WOMEN

All freshman women are required to live in the college halls of residence. Sophomore, junior, and senior women under the age of 21, who are not living with their parents or legal guardians, must live in the college halls of residence. Senior women who will be 21 years of age by September 1, 1966, have the privilege of living off-campus for the year 1966-67. Seniors electing to make this kind of housing arrangement will be responsible for filing letters of approval from their parents in the Office of the Dean of Women by June 1, 1966. Freshman women may not live in sorority houses.

GENERAL INFORMATION

ROOMS ARE RENTED FOR THE ENTIRE ACADEMIC YEAR
(THREE CONSECUTIVE TERMS)

New students make application for residence through the office of the Director of Admission as a part of their application for admission. Students previously matriculated make application for residence through the offices of the Dean of Men and Dean of Women.

RESIDENCE

Residence accommodations are limited. It is understood that the filing of an application for residence does not in itself guarantee a room reservation, inasmuch as credentials must be considered on a competitive basis by the Committee on Admission and the Committee on Residence.

The college reserves the right to entertain delegates to association meetings, conventions and other related groups in the residence halls during vacation periods. Resident students will be notified in advance of such contemplated occasions and assurance given to them that every reasonable precaution will be used by the college in the safeguarding of their personal property during such occupancy.

The college reserves the right at all times to enter the rooms of students living in the dormitories for such purposes as the administration of the college in its discretion may deem proper.

ROOM DEPOSITS

A deposit of \$100.00 is required for the reservation of a room and is **applied toward rental for the Spring term. This deposit is nonrefundable.**

VACATION ARRANGEMENTS

The halls and dining rooms will be closed between terms. During periods when the halls are closed, provision for supervised residence at extra cost may be made for those students who have adequate reason for remaining on the campus. The services of the Health Center and the health staff are not available when the residence halls are closed.

FURNISHINGS

All rooms are provided with the necessary furnishings. Rugs are provided only in Orr, Haines and Erdman Halls. The college provides for the periodical cleaning of students' rooms and for weekly linen service. The following items are provided by the student: bedding, pillow, bedspread, bureau scarves, study lamp, metal waste basket, glass curtains (plain), draperies—if desired.

It is advisable to delay the purchase of curtains and draperies until the students see their rooms, inasmuch as the size of the rooms, window measurements and color of rugs vary.

The college is not responsible for money, jewelry, or other articles of value in students' rooms.

CAMPUS ACTIVITIES AND ORGANIZATIONS

The limited enrollment at Occidental College offers many opportunities for participation in student government and campus activities. It provides also for a friendliness of spirit and wide acquaintance within the student body.

Within the structure of the activity program there is opportunity for almost every type of individual or group expression. Organized interest groups and societies are active on the campus, each of which has a member of the college faculty or administration as an adviser.

A Committee on Student Life is one of the active joint committees representing the faculty and the student body. Through the actions of this body an attempt is made to maintain a favorable balance between academic and extra-curricular activities.

HONOR SPIRIT

The Honor Spirit is one of the most cherished traditions at Occidental. The college places each student on his honor to conduct himself in all scholastic and extracurricular activities in accordance with the highest principles of personal integrity.

This means that cheating in any phase of academic work or acts which would violate principles of personal integrity are violations of the Honor Spirit. As a part of responsible living, the students are on their honor to safeguard these privileges not only for themselves, but for other students as well.

Provision is made, therefore, for an Honor Court to try violators and impose penalties in cases which are reported to it. The Court is composed of six students, appointed by the A.S.O.C. president in consultation with the present Court members and approved by vote of the A.S.O.C. Senate. The success of the whole system depends upon the cooperation of the student body in making sure that all violators are reported to the Court.

This tradition carries both privileges and responsibilities, and represents the highest expression of student self-discipline.

THE ASSOCIATED STUDENTS OF OCCIDENTAL COLLEGE

The student association engages in a wide range of cultural, educational, recreational and social activities and controls certain student enterprises under the supervision of the college administration. The Associated Students operates

CAMPUS ACTIVITIES AND ORGANIZATIONS

under a constitution and by-laws, and is governed by the A.S.O.C. Senate, re-organized in 1960-61. The members of the Senate include the student body officers, the president of the Associated Women Students, and the presidents of the senior, junior, sophomore and freshman classes. Other members of the Senate include two representatives each from the Men's Residence Council and the Women's Residence Council, and one each from the Panhellenic Council and the Interfraternity Council. The Director of Student Activities acts as adviser to the A.S.O.C. Senate, without voting power. The Senate meets at regular intervals to discuss student problems, promote student activities, consider presidential appointments, appropriate student body funds, and reflect student attitudes on questions of administrative policy. Senate meetings are open to all students.

A Student Legislature, broadly representative of major campus groups and activities, serves as a sounding board for student opinion.

The President of the Associated Students is the chief executive officer of the student body and is responsible for appointments to non-elective student offices and for coordinating the activities of the student body, in addition to serving as A.S.O.C. representative in community and college life. Occidental is proud of the responsible role taken by students in active support and development of the college through such methods as student representation on certain faculty and administrative committees and an interchange of ideas among administration, faculty and students. The four classes and the men's and women's organizations are considered an integral part of the Associated Students. The activities of the student body are financed by a fee (see page 144). By action of the Associated Students, this fee is required of all undergraduates and is collected by the college. Occidental students are members of the Inter-Collegiate Council and are active in conferences, regional, national and world affairs.

THE ASSOCIATED WOMEN STUDENTS

All women students are members of the organization of the Associated Women Students. This organization coordinates the varied interests and activities of the women and has the responsibility of maintaining high standards of conduct in the residences and on the campus. Three councils carry on the work of A.W.S.: The Cabinet, the Residence Council and the Judicial Board. One of the primary functions of the Cabinet is assistance in the orientation of new students to college life. This is done through participation in the orientation program for new students and through a carefully planned sponsor system maintained throughout the freshman year. The Associated Women Students assume responsibility for campus activities including their Assembly programs and all-college Hospitality Weekends.

CAMPUS ACTIVITIES AND ORGANIZATIONS

The Residence Council shares with the college administration the responsibility for the management of the residence halls, and for the establishment of standards for group living. The Council is composed of a president elected by the women in residence, the president of each women's residence and a freshman representative from each residence, a representative appointed by Panhellenic, and the Dean of Women who serves as adviser.

The Judicial Board assumes responsibility for seeing that standards of good conduct, courtesy and thoughtfulness are adequately interpreted and enforced. The chairman of the Judicial Board is appointed by the A.W.S. Cabinet. The Board is composed of at least one member from each women's residence.

The president of the Associated Women Students is a member of the A.S.O.C. Senate.

STUDENT RELIGIOUS ORGANIZATIONS

Occidental's religious emphasis expresses itself in part through voluntary student religious organizations which are encouraged by the college and advised by the Chaplain. They include the Occidental Christian Fellowship, Canterbury Club, Newman Club, Occidental Jewish Fellowship, the Christian Science Organization and the Mormon Study Group. Most of these meet weekly.

The most active is the interdenominational Protestant group, the Occidental Christian Fellowship. It sponsors and coordinates many programs and activities including Sunday evening forums, vespers, retreats, study groups, and social action projects. Each year it sponsors a Student-Faculty Conference on Christian faith and life, and brings a distinguished churchman to the campus for a Religion-in-Life program. Representing the major Protestant denominations, it supports the United Campus Christian Fellowship, the National Student Christian Federation, and the National and World Councils of Churches.

ATHLETICS

Opportunity is offered in many forms of intercollegiate and intramural sports for men and women, including tennis, baseball, football, basketball, swimming, water polo, track, cross country, golf, sailing, soccer, rugby, modern dance, and gymnastics. The college believes in and encourages all forms of wholesome athletics and outdoor recreation for the physical development and well being of its students.

Occidental is a member of the Southern California Intercollegiate Athletic Conference and each year schedules events with members of that conference as

CAMPUS ACTIVITIES AND ORGANIZATIONS

well as with other colleges and universities of the Pacific coast. Eligibility for intercollegiate athletics is determined by the conference rulings which apply to all within the conference.

The college endeavors to safeguard students in the use of physical facilities, athletic fields and gymnasium, but it is clearly understood that students who use these facilities do so entirely at their own risk. (See page 175 for statement of legal responsibility of the college and information concerning accident insurance.)

FORENSICS AND DRAMATIC PRODUCTION

The academic program of the Department of Speech and Drama is supplemented by extracurricular activity in the fields of public speaking, debate and public discussion, and dramatics. College credit toward graduation is allowed for this work. Although the department believes there is a certain value in formal contest debating and in the conventional speech tournaments, it holds to the function of public speaking as an educational medium and therefore seeks to promote actual audience situations, emphasizing the process of sharing information, influencing opinion, and stimulating concrete audience response. The Tau Kappa Alpha Fraternity is the organizational core for forensic activities.

Through the Occidental Players and the Occidental Alumni Players, the department brings to the campus each year three major dramatic performances. This schedule is supplemented by a series of one-act and playreading programs presented in the Playmill Theatre with emphasis on experimental and original student productions.

MUSIC

Various organizations offer interested students the opportunity to participate actively in musical performance. The College Choir, the Wind Ensemble (College Band) and Orchestra, and the Men's and Women's Glee Clubs are open by tryout to students of average talent and ability. Each glee club has its round of local dates and home concert, and makes an annual tour. Small ensemble groups, instrumental and vocal, are given encouragement. The material studied and programmed by these organizations is chosen to stimulate and educate both participants and auditors and to present the best in contemporary composition as well as classic masterworks; familiarity with both is consciously sought.

Cultivation of individual talent in applied music is encouraged by providing for private lessons and practice on campus; frequent student recitals give outlet for self-expression. Composition is fostered, and each year the best original student manuscripts are given public performance.

CAMPUS ACTIVITIES AND ORGANIZATIONS

STUDENT PUBLICATIONS

Occidental students publish a number of publications throughout the college year. The college newspaper, "The Occidental," appears weekly, and consistently receives a high rating from the Associated Collegiate Press. "Fang," a humor magazine, appears periodically throughout the year. "La Encina," the college annual, is published each spring. The student body and administration jointly issue each fall a "Handbook" of organizations and activities, for the benefit of new students. A literary magazine is published twice a year. Financed mainly through student body funds, all of these publications are edited, managed, and staffed by students and afford excellent opportunity for experience to those who are interested in journalism. Editors are appointed by the A.S.O.C. president and approved by vote of the Senate.

HONOR ORGANIZATIONS

The Phi Beta Kappa Society, the first Greek letter fraternity in the United States, was founded at the College of William and Mary, December 5, 1776. The Occidental College chapter of Phi Beta Kappa is the Delta of California, established in 1926. The members in course are elected on the basis of excellence in scholarship and good moral character. Not more than one-eighth of each year's candidates for the degree of Bachelor of Arts may be elected; within this quota, elections are held in October, in January, and during Commencement week. Elections may also be made of Occidental alumni or others who have attained distinction in the field of liberal arts or in the learned professions.

Honor societies are maintained by senior men and women. That of the men is known as D.O., to which not more than fifteen men may be elected at the end of the junior year on the basis of outstanding character, activity and leadership. The women's organization is the Dranzen chapter of Mortar Board, a national society which selects its members at the end of the junior year on the basis of service, scholarship and leadership. A specified scholarship standard, above the general student body average, must be met by each candidate. No chapter may have fewer than five nor more than twenty members.

Membership in Tiger Claws, a service organization of eighteen sophomore men under the guidance of two juniors, is based on recognition of leadership in student activities. The purpose of this group is to foster loyalty to the college. Selections are made at the end of the freshman year.

Tiger Taps, a service organization of sophomore women, aims to promote interest in campus activities and to aid in orientation of new women. Membership in Tiger Taps is based on leadership, scholarship and participation in activities during the freshman year. Not more than twenty members may be chosen each year.

CAMPUS ACTIVITIES AND ORGANIZATIONS

Other honor groups include Phi Alpha Theta, national history fraternity; Phi Mu Alpha Sinfonia of America, Eta Kappa Chapter, national music fraternity for men; Sigma Alpha Iota, national music fraternity for women; Phi Epsilon Kappa, national physical education fraternity for men; Psi Chi, national psychology fraternity; Zeta Phi Eta, national speech and dramatic fraternity for women; Sigma Xi Club, national scientific research organization; Sigma Pi Sigma, national physics society; Student Affiliates of the American Chemical Society; Alpha Chi Sigma, national professional chemical fraternity; Alpha Mu Gamma, national foreign language society; Tau Kappa Alpha, national forensics fraternity; Kappa Mu Epsilon, national mathematics undergraduate fraternity; Alpha Kappa Delta, national sociology fraternity; Delta Phi Epsilon, national foreign service fraternity; and the Student California Teachers' Association.

INTERNATIONAL PROGRAMS

The international outlook of the college is reflected in many student activities at Occidental. The International Program is a coordinated effort involving the International Club, Model United Nations, Political Science Forum and an International Development (fund-raising) Committee. The International Club includes students from many different countries, among them Americans who are interested in the culture of other lands. Model United Nations sends a delegation annually to the MUN Conference. The Political Science Forum offers a program of speakers and discussion on international politics.

Specific majors in Diplomacy and World Affairs in various regional areas indicate academic emphasis on international interests (see pages 55-56). For the past several years Occidental has sent a delegation of its students to Africa each summer on the "Crossroads Africa" project.

OTHER STUDENT SOCIETIES

Semi-social or special interest groups maintained by the students include such organizations as the following: Laurean, women's literary society; Art Club; Chess Club; Geology Club; Occidental Physical Education Majors Club; Panel of Americans; Women's Recreational Association; Occidental Players; Pre-Medical Club; Occidental Dance Group; Sailing Club; Ski Club; Student Section, American Institute of Physics; Young Democrats and Young Republicans.

Social organizations for both men and women are active on the campus. The men's organizations are: national fraternities of Alpha Tau Omega, Phi Gamma Delta, and Sigma Alpha Epsilon; and local fraternity, Phi Sigma Omicron. The women's groups are the local sororities of Alpha Lambda Phi

CAMPUS ACTIVITIES AND ORGANIZATIONS

Alpha, Beta Phi Delta, Delta Omicron Tau, Gamma Kappa Theta and Zeta Tau Zeta.

OCCIDENTAL ALUMNI ASSOCIATION (ORGANIZED 1894)

Each graduate of Occidental College and every person who has completed a minimum of eight courses, or equivalent, of undergraduate work at Occidental becomes a member of the Occidental Alumni Association upon graduation of his class. Graduate students who have completed a year of work at the college (six courses or equivalent) also are members of the Alumni Association.

The Alumni Association functions under the direction of the Alumni Board of Governors, consisting of twenty-one members, seven elected annually for three-year terms. It seeks to contribute to the continuing development of Occidental by maintaining a strong alumni program, and to strengthen the bond which exists between the college and its former students. One member of the Alumni Association is nominated each year to the Board of Trustees to serve for a term of five years. This results in five Alumni Trustees serving on the Occidental Board of Trustees at all times.

The Alumni Board of Governors annually elects one of its members to serve as Chairman of that body and as President of the Alumni Association.

An Alumni magazine entitled *Occidental College Alumnus* is published four times a year. The Alumni Association is active in the major population areas of the country. The annual Alumni Fund provides an opportunity for alumni to express their interest in the college through financial support.

The Occidental Alumni Association is a member of the American Alumni Council.

GENERAL POLICIES

STUDENT CONDUCT

Students admitted to Occidental College are expected to set and observe among themselves a proper standard of conduct, both within and without the college. Any student who violates the codes of common morality, honor, or good citizenship, or who refuses to abide by the regulations of the college, will be subject to such penalties as the circumstances justify, including suspension or dismissal. The college reserves the right to withhold its degree or its diploma from any student who has outstanding financial obligations, either to the college, to student organizations, or to others in the community. The college also reserves the right, after due hearing, to exclude from its privileges any student whose presence, in the judgment of appropriate administrative officers of the college, is believed to be undesirable.

COUNSELING

Primary responsibility for counseling is concentrated in the office of the Dean of Students, in cooperation with the Dean of Men and Dean of Women. Resources available to them in assisting students in their adjustment to various phases of college life include the services of the Health Staff with two College Physicians, the members of the psychological counseling staff, the College Chaplain, and of the several offices and committees concerned with student interests. On recommendation, students may be referred to a qualified psychiatrist.

Each member of the freshman class is assigned to a specific faculty adviser within the department in which he has indicated a major or strong interest, or to a member of the faculty who will assist him until such time as he chooses a major field. After the freshman year the chairman of each department assigns students to advisers in accordance with student wishes but so as not to overload any one faculty member. Students in the College Honors program are assigned to specially selected Honors Counselors.

The College maintains a Guidance and Placement Office for the benefit of students. Counseling and testing functions are designed to assist students in dealing with educational, vocational, and related personal-social problems, and to guide them in their formation of career plans. No fee is charged to presently enrolled students for the counseling services available under normal circumstances. A fee of \$3.00 is charged to students when an extensive test or test battery is given or when special expenses are incurred in scoring or adminis-

GENERAL POLICIES

tration. The service is available to alumni at a fixed fee of \$15.00 and to the general public at a fee dependent upon the quantity of testing and counseling requested.

Placement services are designed to provide seniors and alumni with information relating to available jobs and with opportunity to make contacts with industrial and governmental representatives both on and off campus. In addition, the Placement Office assists students in securing part-time and summer employment.

A specialized service is provided by the Education Department for those who wish to obtain positions in the teaching profession.

RESIDENCE

Life in a college residence is an integral part of the general purpose of education at Occidental College. Residence life provides a laboratory experiment in democratic living. Each individual student is expected to assume his or her share of responsibility for the welfare of the group, and the group aims at all times to be sensitive to the needs and interests of the individual.

Information concerning residence facilities and regulations will be found on pages 161-162.

Committees, including administrative officers, faculty representatives, and representatives of both men and women students in college residence halls, give consideration to general problems of residence mutually affecting men's and women's interests. (See pages 164-165.)

SOCIAL LIFE

Opportunities for learning social skills and developing social competence are an essential part of college. To this end a varied program is planned at Occidental College to provide areas for social growth.

Student officers are charged with the responsibility for social events, and the Dean of Men, the Dean of Women, and the Director of Student Activities work with student committees to plan a balanced program. This program includes all-college dances, residence hall parties, class affairs and events for special interest groups.

Information concerning social and semi-social organizations on the campus will be found on page 168.

SPECIAL PROGRAMS

Occidental students have the rich educational experience of hearing and seeing much of the finest in the culture of western civilization and of meeting distinguished personages brought to the campus under special programs.

GENERAL POLICIES

College presentations in the performing arts include the annual Glee Club Home Concert and the Orchestra, Wind Ensemble (Band) and Dance Group Concerts. Occidental also presents various television programs each year over NBC.

The Artist and Lecture Series in Thorne Hall presents artists from the Metropolitan Opera, Juilliard and similar institutions. Occidental's annual Faculty Award Lecture presents a distinguished work of scholarship by a faculty member.

Named in honor of Remsen Bird, former president of Occidental College, a lectureship was established at the college in February, 1948, by a gift to the endowment, to bring to the college and to Southern California one or more distinguished speakers each year. The general theme of the lectures is "The College and Society." The basic purpose underlying the Remsen Bird lectures is to maintain in the college a continuing sense of its relationship with society as a whole.

RELIGIOUS LIFE

Occidental attempts to prepare young men and women for life in its largest meaning. It frankly accepts Christianity as an essential part of Western culture and character, and tries to conduct affairs on a Christian basis. At the same time it recognizes the freedom of each student to make his own choice and encourages students of other persuasions to express themselves in voluntary student activities. Various programs and activities express this commitment and enrich religious life on campus. In addition to academic courses offered by the Department of Religion for credit, from time to time the College invites distinguished theologians to visit the campus to address and meet students. Attendance at all services and programs is voluntary.

Christian worship is held in Herrick Memorial Chapel every Sunday morning the college is in session. The Committee on Public Worship, consisting of student and faculty representatives with the President of the college as chairman, plans these services. Guest ministers, the Chaplain and faculty members preach, and the College Choir provides special music.

HEALTH SERVICE

The college makes an effort to safeguard the health of its students, recognizing that adequate health habits and education are an essential part of a college program and that good health is necessary if full value is to be attained from curricular activities. Opportunity for wholesome physical activity is provided through courses in the Physical Education Department to develop physical health as well as skills in various sports that may be enjoyed both in college

and in later life. The Health Service of the college also attempts to prevent illness by acting in a general advisory capacity on living conditions in the total campus environment.

Emmons Memorial serves as the Health Center for the campus. Here students may receive advice and treatment for minor ailments during daily office hours. The building is equipped as a small modern infirmary and is staffed by three registered nurses and two attending physicians. The health services and facilities of the college are available to students within the general charge for tuition except for limitations outlined under regulations appearing later in this section of the catalogue (see page 174).

Cooperation from both parents and students is needed and expected in carrying through the college program of health service in order that this program may be of value to all. No student will be permitted to register unless he complies with all medical requirements for admission.

A medical history and physician's statement, on forms issued by the college, are required as a part of the admission credentials of all students. These must include evidence of small-pox vaccination within the last three years, active immunization for tetanus within the last three years, a minimum of three injections of Salk poliomyelitis vaccine or a full series (3) of Sabin vaccine, and a chest x-ray within the current year or a negative skin test for tuberculosis.

Students transferring to Occidental from other collegiate institutions are permitted to submit copies of medical examinations which were used for admission to the schools of primary enrollment provided the records are considered adequate by the Health Center staff. If such records are not available or if the examinations are more than four years old, the requirements outlined in the above paragraph concerning medical history and physician's statement must be complied with.

Students previously registered at Occidental College who return after an absence of three years or less will not be required to have medical examinations at the time of readmission unless special health problems have developed. Examination is not required of students returning after military service unless medical problems have arisen during such service. A statement from the student regarding his medical history since leaving the college must be filed by all applicants for readmission who are not required to have a medical examination. Students who withdrew for health reasons are required to furnish as a part of their applications for readmission a physician's statement regarding diagnosis, treatment and medical fitness to return to school.

A chest x-ray or negative skin test for tuberculosis is required of all students every two years.

Every student participating in intercollegiate athletics must be approved by and receive clearance from the College Physician before engaging in any

GENERAL POLICIES

team activity. If needed, tetanus toxoid is given by members of the Health Service staff at the time of approval for athletic participation.

Any student who asks to be excused from any part of the required Physical Education activity program should present a letter to the Health Service from his attending physician describing his restrictions and giving the reason for them.

Students planning to apply for a teaching credential will be given a medical examination during the early part of the junior year. The report of this examination is among the materials reviewed in taking action concerning applications for admission to candidacy for the credential and later serves in part as the basis for the medical report required at the time of certification.

Medical examinations required as a part of a student's application for graduate study elsewhere and similar examinations are not a part of the service available at the Health Center. Students should consult their own private physicians in connection with such reports.

A statement of regulations covering student patients is available at the Health Center.

The following items are not included in the general health service and are subject to extra expense: surgery; services of specialists; additional nursing if deemed necessary by the College Physician; medical service beyond that ordinarily available; x-ray examinations, clinical and laboratory tests, most medicines and any other expensive tests or treatments; and removal to a nearby hospital in case of serious illness requiring complete hospital care.

The College Physicians are subject to call for serious cases and emergencies but a charge is made for any services making unusual demands upon a physician.

In case of emergency an effort will be made to consult the parents, but if necessary a College Physician will assume any needed responsibility.

INSURANCE

The college offers to students accident insurance which supplements the College Health Service described in this bulletin. This insurance is compulsory for full-time undergraduates and for all international students. The insurance is underwritten by a reputable insurance company at a minimum rate. Local and nationwide claim service is provided and the student is protected twenty-four hours per day, on or off campus, during the three terms of the college year.

In addition, on an optional basis, and for an additional fee, the accident coverage may be carried for the summer months, and sickness medical coverage may be carried for the full calendar year on a voluntary basis. Material descriptive of the insurance available is mailed to the home address of all students prior to the opening of the fall term.

GENERAL POLICIES

LEGAL RESPONSIBILITY OF THE COLLEGE

The college endeavors to safeguard students in the use of physical facilities, laboratories, athletic fields and gymnasium, and to this end the departments have established regulations concerning the use of such facilities. It is clearly understood that students who use these facilities do so entirely at their own risk. Emergency first aid treatment is available but the college has no legal responsibility for injuries or other damages suffered by students on or off the campus, or in travel to and from such activities or for any expenses in connection therewith.

AUTOMOBILES

Rules governing the use of automobiles on campus are formulated by the Student Life Committee. A printed statement of these rules is available in the office of the Dean of Students. A subcommittee on motor vehicle safety serves as a board of review and appeal with regard to traffic violations, and reserves the right to withdraw motor vehicle privileges from any student at any time for cause.

BOARD OF TRUSTEES

By the Articles of Incorporation the complete legal control and government of Occidental College rest in a self-perpetuating Board of Trustees. Five trustees are chosen from nominations made by the Alumni Association and serve for a period of five years; the remainder are elected at large and serve for a term of five years. The Board exercises general oversight of the College, determines its fundamental policies, supervises its finances, and appoints its administrative and instructional officers.

OFFICERS OF THE BOARD¹

Graham L. Sterling	<i>Chairman</i>
Robert J. Cannon	<i>Vice-Chairman</i>
Leonard S. Janofsky	<i>Vice-Chairman</i>
Kenneth T. Norris, LL.D.	<i>Vice-Chairman</i>
Dan S. Hammack, Jr.	<i>Secretary</i>
Dana Latham, LL.D.	<i>Treasurer</i>
Jean Paule	<i>Assistant Secretary</i>
Janet B. Hoit	<i>Assistant Treasurer</i>

MEMBERS OF THE BOARD

Honorary Life Trustees

Mrs. H. Clifford Allen ²	Pasadena
The Rev. P. Martin Baker, D.D.	Palm Desert
Richard Bard	Somis
The Rev. Remsen Bird, D.D., LL.D., L.H.D. (Pres., 1921-46)	Carmel
The Rev. Eugene Carson Blake, D.D., LL.D., L.H.D., Litt.D., S.T.D.	Philadelphia, Pa.
K. L. Carver	San Marino
Arthur G. Coons, Ph.D., LL.D., Sc.D., L.H.D. (Pres., 1946-65)	Newport Beach
Mrs. Euclid W. McBride	Greenwich, Conn.
Samuel B. Mosher	Santa Barbara
John K. Northrop, Sc.D.	Santa Barbara

¹For the calendar year 1966.

²Deceased, January 22, 1966.

BOARD OF TRUSTEES

A. C. Rubel, Sc.D.	Rolling Hills
Frank N. Rush, LL.D.	South Pasadena
Fred H. Schauer	Santa Barbara
Arthur N. Young, Ph.D., LL.D.	Pasadena

Term expires 1967

Mrs. Norman Chandler, L.H.D., LL.D.	Los Angeles
Bryant Essick, LL.D.	Los Angeles
Truman Johnson	Riverside
Dana Latham, LL.D.	Newport Beach
Mrs. Maynard J. Toll	Los Angeles

Term expires 1968

The Rt. Rev. Francis Eric Bloy, D.D., S.T.D.	La Cañada
Robert J. Cannon	Los Angeles
Jerome W. Hull	Hillsborough
The Rev. Ganse Little, D.D., LL.D., S.T.D.	Pasadena
Richard W. Millar, LL.D.	San Marino
Kenneth T. Norris, LL.D.	San Marino

Term expires 1969

C. Allan Braun	Pasadena
Daniel P. Bryant	Pasadena
Edward W. Carter, LL.D.	Los Angeles
Mrs. Stuart Chevalier, Litt.D.	Los Angeles
Stafford R. Grady	La Cañada
Frederick G. Larkin, Jr.	Los Angeles
Shirley C. Ward, Jr.	South Pasadena

Term expires 1970

Robert J. Hadden	Santa Barbara
J. Stanley Johnson	Altadena
Harold C. McClellan, LL.D.	San Marino
John R. Mage	Pasadena
Merritt K. Ruddock	Belvedere
Graham L. Sterling	Los Angeles

Term expires 1971

Lloyd L. Austin, LL.D.	Los Angeles
E. R. Chilcott, D.Eng.	Pasadena
Dan S. Hammack, Jr.	South Pasadena
Edwin W. Pauley, LL.D., Litt.D.	Beverly Hills

BOARD OF TRUSTEES

Jesse W. Tapp, LL.D.	Los Angeles
Mrs. Hallett W. Thorne	Pasadena
Richard C. Gilman, Ph.D., ex officio	

ALUMNI MEMBERS

Term expires 1967

Robert L. Packer	San Marino
James J. Ritter ¹	La Cañada

Term expires 1968

Leonard S. Janofsky	Los Angeles
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Term expires 1969

John M. Kinard	San Marino
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Term expires 1970

Robert H. Finch	Pasadena
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Term expires 1971

Morgan Odell	Los Angeles
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STANDING COMMITTEES OF THE BOARD²

Executive: Mr. Sterling, *Chairman*; Mr. Cannon, Mr. Carter, Mrs. Chandler, Mr. Essick, Mr. Janofsky, Mr. Latham, Dr. Little, Mr. Mage, Mr. McClellan, Mr. Millar, Mr. Norris, Mr. Tapp; *Hon. Life:* Mr. Rush

Financial Planning and Development: Mr. Tapp, *Chairman*; Mr. Austin, Mr. Bryant, Mr. Cannon, Mr. Carter, Mr. Essick, Mr. Finch, Mr. Hull, Mr. Janofsky, Mr. T. Johnson, Mr. Mage, Mr. McClellan, Mr. Millar, Mr. Norris, Mr. Pauley; *Hon. Life:* Mr. Mosher

Faculty, Educational Program and Student Interests: Dr. Little, *Chairman*; Bishop Bloy, *Vice-Chairman*; Mrs. Chevalier, Mr. Finch, Mr. Hadden, Mr. Janofsky, Mr. Kinard, Mr. Ruddock, Mrs. Toll; *Hon. Life:* Mrs. Allen

Finance and Investment: Mr. Millar, *Chairman*; Mr. Tapp, *Vice-Chairman*; Mr. Austin, Mr. Carter, Mr. Essick, Mr. J. S. Johnson, Mr. Kinard, Mr. Latham, Mr. McClellan, Mr. Ritter; *Hon. Life:* Mr. Rush, Dr. Young

¹Resigned.

² For the academic year 1965-66.

BOARD OF TRUSTEES

Grounds and Buildings: Mr. Cannon, *Chairman*; Mr. J. S. Johnson, *Vice-Chairman*; Mr. Braun, Mrs. Chandler, Mr. Chilcott, Mr. Hull, Mr. T. Johnson, Mr. Norris, Mr. Pauley, Mr. Rubel, Mrs. Thorne, Mr. Weddington; *Hon. Life:* Mr. Mosher

Honorary Degrees: Mr. Latham, *Chairman*; Mrs. Chandler, *Vice-Chairman*; Bishop Bloy, Dr. Little, Mr. Mage, Mr. Ruddock, Mrs. Thorne; *Hon. Life:* Dr. Baker, Mr. Rush, Dr. Young

Legal: Mr. Latham, *Chairman*; Mr. Hammack, *Vice-Chairman*; Mr. Bryant, Mr. Janofsky, Mr. Sterling

Nominations: Mr. Mage, *Chairman*; Mr. Millar, *Vice-Chairman*; Mr. Carter, Mrs. Chandler, Mr. Latham, Mr. McClellan, Mr. Sterling; *Hon. Life:* Mr. Rush

Religious Life: Dr. Little, *Chairman*; Bishop Bloy, *Vice-Chairman*; Mr. Bryant, Mr. Hadden, Mr. Hammack, Mr. T. Johnson, Mrs. Toll; *Hon. Life:* Dr. Baker, Dr. Blake, Mr. Rush, Dr. Young

ADMINISTRATION 1966-67

Under the supervision and direction of the President, the administrative officers and faculty are charged with the responsibility of administering the educational policy and functioning of Occidental College.

RICHARD C. GILMAN, PH.D. *President*

VERNON L. BOLLMAN, PH.D. *Dean of the Faculty
and Vice-President for Academic Affairs*

JOHN S. McANALLY, PH.D. *Dean of Students*

BENJAMIN H. CULLEY, Ed.D. *Dean of Men and
Director of Financial Aid to Students*

MARJORIE FLINDERS, A.B. *Dean of Women*

CAROLYN J. AYARS, A.B. *Registrar*

JEAN PAULE, M.A. *Secretary of the College*

DENNIS A. COLLINS, M.A. *Director of Admission*

HERTA ANDERSON, A.B. *Assistant Director of Admission*

JOHN E. SMYLLIE, B.D., Th.D. *Chaplain*

TYRUS G. HARMSSEN, A.B.L.S., M.A. *Librarian*

TO BE APPOINTED *Coordinator of Guidance and Placement*

ROY DENNIS, M.A. *Director of Athletics*

JANET B. HOIT, A.B. *Comptroller and Business Manager*

HENRY HAROLD HARE, A.B. *Superintendent of Buildings and Grounds*

CLANCY MORRISON, B.S. *Manager of Freeman College Union*

ADMINISTRATION

SIDNEY GRANETT, B.S.	<i>Purchasing Agent and Manager of Book Store</i>
G. WILLIAM HUME, M.A.	<i>Director of Thorne Hall and Director of Student Activities</i>
RUSSELL V. KOHR, B.S.	<i>Director of Development</i>
RICHARD GALBRAITH, A.B.	<i>Director of Alumni Relations</i>
T. MICHAEL HOLMES, M.A.	<i>Assistant Director of Alumni Relations</i>
ADELAIDE G. McMENAMIN, A.B. . . .	<i>Assistant Director of Alumni Relations</i>
DAPHNE LORNE	<i>Acting Director of Public Information</i>
RUBY RICH BURGAR, A.B., R.N.	<i>Head Nurse, Emmons Memorial Student Health Service</i>
ETHEL M. HAMILTON, M.D.	<i>Physician</i>
P. LEONARD KLASSEN, M.D.	<i>Physician</i>
DAVID B. PEARSON, PH.D.	<i>Counseling Psychologist</i>
TO BE APPOINTED	<i>Counseling Psychologist</i>

FACULTY

With the exception of those of the President and the Dean of the Faculty, the names of the members of the Faculty are arranged alphabetically in groups as indicated by the several headings in this section. The year of the first appointment is given after each name. The appointments and academic rank indicated are for the academic year 1966-67. Marginal reference (*) indicates on leave of absence for the year.

- RICHARD CARLETON GILMAN (1965) *President of the College and Professor of Philosophy*
 B.A., 1944, Dartmouth College; Ph.D., 1952, Boston University.
- VERNON LEROY BOLLMAN (1936) *Dean of the Faculty and Vice President for Academic Affairs and Professor of Physics*
 B.S., 1931; M.S., 1933, University of Nebraska; Ph.D., 1936, California Institute of Technology.

FULL-TIME FACULTY

- DONALD KNAPP ADAMS (1955) *Associate Professor of English and Comparative Literature*
 A.B., B.Com., 1946, University of British Columbia; M.A., 1952; Ph.D., 1953, Northwestern University.
- AUDRA B. ADELBERGER (1966) *Instructor in English*
 B.A., 1957, Montana State University; A.M., 1959, Radcliffe College.
- GILMAN H. ALKIRE (1958) *Instructor in Russian*
 A.B., 1949, Occidental College; M.A., 1951, University of California.
- RALPH L. AMEY (1965) *Assistant Professor of Chemistry*
 A.B., 1959, Pomona College; Ph.D., 1964, Brown University.
- LELAND STILLMAN BABCOCK (1952) *Associate Professor of German*
 A.B., 1947; M.A., 1949; Ph.D., 1956, University of California.
- ROBERT H. BARBARIN (1963) *Instructor in Chemistry*
 B.S., 1957, Bucknell University.
- DENNIES LYNN T. BARBER (1961) *Instructor in Physical Education*
 A.B., 1960; A.M., 1961, University of Southern California.
- MABEL S. BARNES (1950) *Professor of Mathematics*
 A.B., 1926, Cornell College; M.A., 1928, University of Wisconsin; Ph.D., 1931, Ohio State University.
- HIRAM KEITH BEEBE (1954) . *David B. and Mary H. Gamble Associate Professor of Religion*
 A.B., 1943, Occidental College; B.D., 1945, Princeton Theological Seminary; Ed.D., 1951, Columbia University.
- GABRIELE VONMUNK BENTON (1952) *Professor of Romance Languages*
 Ph.D., 1926, University of Vienna.
- RUTH M. BERKEY (1960) *Instructor in Physical Education*
 B.S., 1957, George Pepperdine College; M.S., 1958, University of Southern California.
- JOSEPH HAROLD BIRMAN (1949) *Professor of Geology*
 A.B., 1944, Brown University; M.Sc., 1950, California Institute of Technology; Ph.D., 1957, University of California at Los Angeles.

FACULTY

- L. REED BRANTLEY (1930) *Professor of Chemistry*
A.B., 1927, University of California at Los Angeles; M.S., 1929; Ph.D., 1930, California Institute of Technology.
- DEAN R. BRITTENHAM (1964) *Instructor in Physical Education and Head Coach of Track*
B.A., 1957, University of Nebraska; M.S., 1958, University of Colorado.
- ROGER K. BURKE (1947) *Professor of Physical Education*
B.S., 1942, Springfield College; M.S., 1950, University of California at Los Angeles; Ph.D., 1957, University of Southern California.
- BASIL BUSACCA (1955) *Professor of English and Comparative Literature*
A.B., 1939; M.A., 1941; Ph.D., 1950, University of Wisconsin.
- GEORGE H. CLELAND (1954) *Associate Professor of Chemistry*
A.B., 1942, Occidental College; Ph.D., 1951, California Institute of Technology.
- NORMAN S. COHEN (1966) *Assistant Professor of History*
B.A., 1958, George Washington University; M.A., 1960, Pennsylvania State University; Ph.D., 1966, University of California.
- CHARLES L. COLE (1963) *Assistant Professor of Economics*
A.B., 1951, University of Southern California; M.B.A., 1955, Stanford University; Ph.D., 1963, University of Southern California.
- DAVID COLE (1947) *Professor of Psychology*
A.B., 1946, University of California at Los Angeles; M.A., 1948, Occidental College; Ph.D., 1954, Claremont Graduate School.
- PHILIP J. CONRAN (1965) *Assistant Professor of Aerospace Studies*
B.S., 1958, Fordham University; Captain, U.S.A.F.
- BENJAMIN HAYS CULLEY (1943) *Dean of Men and Professor of Mathematics*
A.B., 1934; M.Ed., 1936; Ed.D., 1949, University of Southern California.
- FRANK P. DEHAAN (1961) *Assistant Professor of Chemistry*
A.B., 1957, Calvin College; Ph.D., 1961, Purdue University.
- ROY DENNIS (1935) *Assistant Professor of Physical Education, Director of Athletics and Coach of Swimming*
A.B., 1933, Occidental College; M.A., 1955, Los Angeles State College.
- LAURENCE DERUYCKE (1943) *Professor of Economics*
B.B.A., 1929; M.B.A., 1931, University of Oregon; Ph.D., 1945, University of California.
- LEON E. DOSTERT (1963) *Professor of French*
B.S.F.S., 1928; Ph.B., 1930; M.A., 1931, Georgetown University; Litt.D., 1957, Franklin and Marshall College; LL.D., 1958, Georgetown University; Litt.D., 1960, Occidental College.
- GRANT LESTER DUNLAP (1954) *Associate Professor of Physical Education and Coach of Basketball and Baseball*
A.B., 1947; M.A., 1958, College of the Pacific.
- STUART B. ELLIOTT (1960) *Assistant Professor of Physics*
B.S., 1949; M.S., 1951; Ph.D., 1960, Stanford University.
- RICHARD A. FICHTNER (1964) *Instructor in Physical Education*
B.A., 1962, University of California, Santa Barbara.
- NORMAN WILLIAM FREESTONE (1940) *Professor of Speech*
A.B., 1935, Brigham Young University; M.A., 1937; Ph.D., 1941, University of Southern California.
- ERICH A. FREY (1960) *Assistant Professor of German*
B.A., 1955, Nebraska Wesleyan University; M.A., 1957, University of Nebraska; Ph.D., 1963, University of Southern California.
- OLAF M. FRODSHAM (1950) *Associate Professor of Music*
A.B., 1937; M.A., 1938, University of Redlands.
- PETER J. GIVLER (1966) *Instructor in English*
B.A., 1964, Portland State College.
- CYRIL K. GLOYN (1946) *Professor of Philosophy*
A.B., 1927, Occidental College; B.D., 1930, Union Theological Seminary; M.A., 1932; Ph.D., 1942, Columbia University.
- ROBERT GROSS (1949) *Professor of Music*
Diploma, 1932, Juilliard School of Music; A.B., 1940, Colorado College.

FACULTY

- BERNARD H. HAMEL (1966) *Assistant Professor of Spanish*
B.A., 1956, University of Las Americas; M.A., 1960, University of California at Los Angeles; Ph.D., 1962, University of Madrid.
- ROBERT WILLIAM HANSEN (1956) *Associate Professor of Art*
A.B., 1948; B.F.A., 1948, University of Nebraska; M.F.A., 1949, Escuela Universitaria de Bellas Artes, Mexico.
- JOHN WILLIAM HARDY (1961) *Assistant Professor of Biology and*
Director of the Moore Laboratory of Zoology
B.S., 1952, Southern Illinois University; M.S., 1954, Michigan State University; Ph.D., 1959, University of Kansas.
- JOSEPH E. HARING (1959) *Richard W. Millar Associate Professor*
of Economics and Finance
B.S., 1952, Ohio State University; Ph.D., 1959, Columbia University.
- BRICE HARRIS, JR. (1965) *Associate Professor of History*
B.A., 1953, Swarthmore College; M.A., 1957; Ph.D., 1962, Harvard University.
- WILLIAM E. HENRY (1966) *Instructor in Sociology*
B.A., 1962, Long Beach State College; M.A., 1966, University of California at Los Angeles.
- GEORGES-LOUIS HINGOT (1966) *Instructor in French*
Bachelier, 1947, Universite' de Lille; M.A., 1965, University of California at Los Angeles.
- DONALD G. HOBSON (1963) *Instructor in Religion*
B.A., 1956, Willamette University; B.D., 1960, Union Theological Seminary.
- MELVIN E. HORTON (1966) *Instructor in Economics*
B.S., 1959, University of Missouri; M.B.A., 1962, City University of New York; M.A., 1964, University of Washington.
- ANNE B. HOWELLS (1966) *Instructor in English*
B.A., 1963, Swarthmore College; M.A., 1966, University of Washington.
- ALVIN MAYNARD HUDSON (1956) *Associate Professor of Physics*
B.S., 1947; M.S., 1950; Ph.D., 1956, Stanford University.
- LUTHER B. JENNINGS (1949) *Associate Professor of Psychology*
A.B., 1949; M.A., 1950, Occidental College; Ph.D., 1959, Claremont Graduate School.
- LAURIS JONES (1951) *Associate Professor of Music*
A.B., 1939, San Jose State College; M.A., 1942, Teachers College, Columbia University.
- FRANKLYN D. JOSSELYN (1955) *Associate Professor of Religion*
A.B., 1937, University of California at Los Angeles; Th.B., 1940, Princeton Theological Seminary; Ed.D., 1951, Columbia University.
- MARSHA KINDER (1965) *Instructor in English and*
Comparative Literature
A.B., 1961; M.A., 1963, University of California, Los Angeles.
- BARRY A. KITE (1965) *Instructor in Art*
B.A., 1957, University of California; M.A., 1959, University of London.
- CLIFTON B. KROEBER (1955) *Norman Bridge Professor of*
Hispanic American History
A.B., 1943; M.A., 1946; Ph.D., 1951, University of California.
- KENNETH SAMUEL KURTZ (1946) *Professor of English and*
American Literature
A.B., 1929, Jamestown College; B.A., 1933; M.A., 1940, Oxford University; Ph.D., 1947, Yale University.
- FRANK L. LAMBERT (1948) *Professor of Chemistry*
A.B., 1939, Harvard University; Ph.D., 1942, University of Chicago.
- JAMES H. LARE (1962) *Assistant Professor of Political Science*
A.B., 1955, Occidental College; M.A., 1957; Ph.D., 1965, Cornell University.
- CORA BURT LAURIDSEN (1946) *Associate Professor of Music*
A.B., 1937; M.A., 1948, Occidental College.
- *HERMAN A. LAUTER (1963) *Instructor in Philosophy*
B.S., 1952, Purdue University; M.A., 1957, University of Washington.
- C. SCOTT LITTLETON (1962) *Assistant Professor of Anthropology*
A.B., 1957; M.A., 1962; Ph.D., 1965, University of California, Los Angeles.
- DONALD RICE LOFTSGORDON (1960) *Associate Professor of Philosophy*
A.B., 1950, Occidental College; M.A., 1951; Ph.D., 1958, Columbia University.

FACULTY

- WILLIAM F. LONG (1966) *Professor of Aerospace Studies*
B.S., 1942; M.S., 1947; Ph.D., 1951, Purdue University; Lt. Col., U.S.A.F.
- JOHN SACKETT McANALLY (1957) *Dean of Students and*
Associate Professor of Chemistry
B.S., 1938; M.A., 1940; Ph.D., 1950, Indiana University.
- RAYMOND GOSS MCKELVEY (1939) *Professor of Political Science*
A.B., 1930, Cornell University; M.A., 1931, Claremont Colleges.
- FELIX EDWARD MCKERNAN (1955) *Associate Professor of Music*
A.B., 1937, University of Miami; M.M., 1946, University of Michigan; Ed.D., 1956, University of Southern California.
- JOHN WILLIAM McMENAMIN (1946) *Professor of Biology*
A.B., 1940, Occidental College; M.A., 1946; Ph.D., 1949, University of California at Los Angeles.
- IRWIN MAHLER (1957) *Professor of Psychology*
B.A., 1947, University of California at Los Angeles; M.A., 1948; Ph.D., 1950, Stanford University.
- ADAM MAKKAI (1966) *Assistant Professor of Linguistics*
B.A., 1958, Harvard University; M.A., 1962; Ph.D., 1966, Yale University.
- EDWARD W. MILL (1962) *Chevalier Professor of Diplomacy and World Affairs*
B.A., 1940, University of Wisconsin; M.A., 1941, University of Michigan; M.A., 1953; Ph.D., 1954, Princeton University.
- NOAH F. MODISETT (1966) *Assistant Professor of Speech*
B.S., 1953, Purdue University; M.A., 1957, University of California at Los Angeles; Ph.D., 1963, University of Southern California.
- POON-KAN MOK (1944) *Professor of Chinese History and Culture*
A.B., 1928, Lingnan University; M.A., 1929; Ph.D., 1935, Columbia University.
- JAMES MORA (1963) *Instructor in Physical Education and*
Head Coach of Football
A.B., 1957, Occidental College.
- WILLIAM E. MORITZ (1965) *Instructor in English*
B.A., 1962, University of Southern California.
- WILLIAM J. MORRIS (1955) *Associate Professor of Geology*
A.B., 1948, Syracuse University; M.A., 1950; Ph.D., Princeton University.
- JOAN RAND MOSCHOVAKIS *Assistant Professor of Mathematics*
A.B., 1959, University of California, Berkeley; M.S., 1961, Ph.D., 1965, University of Wisconsin.
- REX ROLAND NELSON (1959) *Associate Professor of Physics*
B.A., 1949, Kenyon College; M.S., 1951, University of California at Los Angeles; Ph.D., 1959, Pennsylvania State University.
- KENNETH OLIVER (1948) *Professor of English and Comparative Literature*
and Chairman of the Division of Humanities and Fine Arts
A.B., 1935, Willamette University; M.A., 1939, University of Washington; Ph.D., 1947, University of Wisconsin.
- KENT W. OLSON (1966) *Instructor in Economics*
B.S., 1962, Arizona State University.
- LEWIS JAMES OWEN (1959) *Associate Professor of English and*
Comparative Literature
A.B., 1949, Harvard College; A.M., 1950, Harvard University; Ph.D., 1958, University of London.
- OMAR M. PAXSON (1950) *Professor of Speech and Drama*
A.B., 1948, Occidental College; M.A., 1950; Ph.D., 1960, Northwestern University.
- CONSTANCE M. PERKINS (1947) *Professor of Art*
A.B., 1935, University of Denver; M.A., 1937, Mills College.
- ROY G. PETRIE (1950) *Professor of Education*
A.B., 1935, University of Nevada; Ed.D., 1949, Stanford University.
- RONALD S. PUGSLEY (1965) *Instructor in Political Science*
B.A., 1958, Albion College; M.A., 1960, University of Michigan.
- ANNABELLE M. REA (1966) *Instructor in French*
B.A., 1957, University of California at Santa Barbara; M.A., 1961, Middlebury College.

FACULTY

- RICHARD FROST REATH (1947) *Cecil H. and Louise Gamble Professor of American Institutions and Chairman of the Division of Social Sciences*
A.B., 1938, Pacific University; Ph.D., 1944, University of Wisconsin.
- THOMAS ROBERTSON (1960) *Assistant Professor of Mathematics*
B.S., 1953, University of St. Andrews; M.A., 1959, University of Southern California.
- JOHN EDWARD RODES (1950) *Professor of History*
A.B., 1943, University of Southern California; Certificat d'Etudes Supérieures d'Histoire, 1947, Sorbonne; M.A., 1948, University of Southern California; M.A., 1949; Ph.D., 1954, Harvard University.
- ANDREW E. ROLLE (1952) *Robert Glass Cleland Professor of American History*
A.B., 1943, Occidental College; M.A., 1949; Ph.D., 1952, University of California at Los Angeles.
- ROBERT S. RYF (1955) *Professor of English and Comparative Literature*
A.B., 1939; M.A., 1953, Occidental College; Ph.D., 1956, Columbia University.
- TIMOTHY D. SANDERS (1964) *Assistant Professor of Physics and Mathematics*
B.S., 1957; M.S., 1959; Ph.D., 1962, Stanford University.
- CHARLES W. SEEKINS (1959) *Professor of Mathematics and Chairman of the Division of Natural Sciences and Mathematics*
A.B., 1938, Occidental College; Ph.D., 1942, California Institute of Technology.
- HERBERT SEGALL (1958) *Associate Professor of Physics*
B.S., 1951, City College of New York; Ph.D., 1955, Pennsylvania State University.
- PAUL MILLARD SHELDON (1950) *Professor of Sociology*
A.B., 1931, Harvard College; M.A., 1937; Ph.D., 1951, New York University.
- NATHAN SHENFELD (1965) *Associate Professor of Psychology*
B.S., 1945, Illinois Institute of Technology; Ph.D., 1958, University of Buffalo.
- JOHN E. SMYLYE (1962) *Chaplain and Associate Professor of Religion*
B.A., 1949, Washington University; B.D., 1952; Th.D., 1959, Princeton Theological Seminary.
- HAROLD E. SPENCER (1962) *Associate Professor of Art*
A.B., 1948; M.A., 1949, University of California.
- JO M. STANCHFIELD (1960) *Professor of Education*
B.A., 1938, Hillsdale College; M.A., 1957, University of California; Ph.D., 1960, University of California at Los Angeles.
- JOHN STEWART STEPHENS, JR. (1959) *Associate Professor of Biology*
B.A., 1954, Stanford University; M.A., 1957; Ph.D., 1960, University of California at Los Angeles.
- HOWARD S. SWAN (1934) *James G. Warren Professor of Music*
A.B., 1928, Pomona College; M.A., 1941, Claremont Colleges; Mus.D., 1959, Pomona College.
- RICHARD C. TREXLER (1966) *Assistant Professor of History*
B.A., 1959, Baylor University; Ph.D., 1963, Frankfurt am Main.
- PATRICK HARRINGTON WELLS (1957) *Associate Professor of Biology*
A.B., 1948, University of California, Santa Barbara College; Ph.D., 1951, Stanford University.
- ROBERT WHITE WINTER (1963) *Associate Professor of the History of Civilization*
A.B., 1947, Dartmouth College; Ph.D., 1957, Johns Hopkins University.

PART-TIME FACULTY AND ACADEMIC STAFF

- VICTOR ALLER (1960) *Teacher of Piano*
B.A., Juilliard Graduate School.
- GEORGE P. BAKER (1964) *Teacher of Sculpture*
A.B., 1958, Occidental College; M.F.A., 1960, University of Southern California.
- CAROL BAUM (1964) *Teacher of Harp*
Curtis Institute of Music, 1962.
- PETER A. BRIER (1965) *Instructor by Special Appointment in English*
B.A., 1956, Yale University; M.A., 1958, Harvard University.
- GILBERT BRIGHOUSE (1938) *Professor of Psychology*
B.S., 1930; M.S., 1934, University of Chicago; Ph.D., 1936, State University of Iowa.

FACULTY

- JACK K. DALTON (1960) *Lecturer in Art Education*
B.F.A., 1957; M.A., 1951, University of Arizona.
- JOSEPH JUSTIN DI TULLIO (1959) *Teacher of Cello*
- CIWA GRIFFITHS (1958) *Lecturer, Department of Speech*
A.B., 1932, San Francisco State College; M.S., 1941, University of Massachusetts; Ed.D., 1955, University of Southern California.
- JAMES JARVAISE (1965) *Instructor by Special Appointment in Art*
B.F.A., 1952, M.F.A., 1953, University of Southern California.
- ELLA KUBE (1952) *Research Associate, Department of Sociology*
A.B., 1941, College of Emporia; Ph.D., 1950, University of California at Los Angeles.
- CLARENCE MADER (1955) *College Organist and Teacher of Organ*
- DONALD MUGGERIDGE *Teacher of Oboe*
- WILLIAM RICHARDS NEBLETT, JR. (1965) *Visiting Instructor in Philosophy*
B.A., 1956; M.A., 1957, Florida State University.
- RAY M. NOWLIN (1958) *Teacher of Bassoon*
- ROBERT PAUL PRICHARD (1957) *Teacher of Piano*
A.B., 1952, University of Southern California.
- RALPH PYLE *Teacher of French Horn*
- LESTER REMSEN (1962) *Teacher of Trumpet*
- E. LLEWELLYN ROBERTS (1956) *Teacher of Voice*
Mus.D., 1952, McMurry College.
- E. FRANKLIN SABIN (1959) *Teacher of Clarinet*
- ALICE SCHOENFELD (1961) *Teacher of Violin*
Academy of Music, Berlin.
- ROGER STEVENS (1958) *Teacher of Flute*
B.A., 1940, Eastman School of Music.

EMERITI

- REMSEN DUBOIS BIRD (1921) *President Emeritus*
A.B., 1909, Lafayette College; B.D., 1912, Princeton Theological Seminary; D.D., 1919, Lafayette College; LL.D., 1937, Pomona College; LL.D., 1937, Albany College; L.H.D., 1940, University of Southern California; L.H.D., 1940, College of Osteopathic Physicians and Surgeons; LL.D., 1946, University of California at Los Angeles; LL.D., 1946, Occidental College.
- ARTHUR GARDINER COONS (1927) *President Emeritus, and
Professor Emeritus of Economics*
A.B., 1920, Occidental College; M.A., 1922; Ph.D., 1927, University of Pennsylvania; LL.D., 1946, Lewis and Clark College; LL.D., 1949, William Jewell College; LL.D., 1951, Pomona College; Sc.D., 1957, University of Pennsylvania; LL.D., 1958, University of California; L.H.D., 1962, University of Judaism; LL.D., 1964, Whittier College; LL.D., 1964, University of Southern California; LL.D., 1965, Claremont Graduate School and University Center; LL.D., 1965, Occidental College.
- WILLIAM WILSON ANDERSON (1924) *Director of Athletics Emeritus*
B.S., 1917, University of Illinois.
- JAMES GRAHAM BICKLEY (1935) *Professor Emeritus of Romance Languages*
B.S., 1921; M.A., 1928, University of Alabama; Ph.D., 1935, University of California.
- FLORENCE NORMA BRADY (1927) *Registrar and Secretary of the
Faculty Emeritus*
A.B., 1919, Occidental College.
- HAZEL ELIZABETH FIELD (1927) *Professor Emeritus of Biology*
A.B., 1912, Western College for Women; M.S., 1915, University of Chicago; Ph.D., 1927, University of California; Sc.D., 1962, Western College for Women.

FACULTY

- WALTER EARLE HARTLEY (1926) *Professor Emeritus of Organ and Theory*
A.B., 1908; B.Mus., 1910, Yale University; Fellow, American Guild of Organists, 1924.
- ERNESTINE ADELE KINNEY (1925) *Professor Emeritus of Education*
A.B., 1917, Occidental College; M.A., 1918; Ed.D., 1931, University of California.
- HARRY ALLISTER KIRKPATRICK (1935) *Professor Emeritus of Physics*
B.S., 1914, Occidental College; Ph.D., 1931, California Institute of Technology.
- SILVA LAKE (1948) *Associate Professor Emeritus of Religion*
A.B., 1924, University of Vermont; M.A., 1929, Radcliffe College; Ph.D., 1935, Brown University.
- ELIZABETH JOHNSTONE McCLOY (1924) *Librarian Emeritus*
A.B., 1913, Oberlin College; M.S., 1928, Columbia University.
- FRED F. McLAIN (1921) *Comptroller Emeritus*
A.B., 1916, Occidental College.
- FRANK JASON SMILEY (1919) *Professor Emeritus of Biology and Geology*
A.B., 1913; M.A., 1914, Stanford University; M.A., 1915; Ph.D., 1917, Harvard University.
- ELSIE MAY SMITHIES (1944) *Dean of Women Emeritus*
A.B., 1910, Lawrence College; M.A., 1926, University of Chicago.
- ETHEL TAYLOR (1926) *Associate Professor Emeritus of German*
A.B., 1906, University of Michigan; M.A., 1925, Stanford University.
- CARL FREDERICK TRIEB (1928) *Professor Emeritus of Education*
A.B., 1922, University of California; M.A., 1931, University of Southern California; Ph.D., 1943, Stanford University.
- J. DONALD YOUNG (1936) *Professor Emeritus of Art*
A.B., 1919, Columbia University; M.A., 1920; M.F.A., 1925, Princeton University.

FACULTY COMMITTEES

Appointments to be announced in September, 1966.

ADMISSION
ASSEMBLY
ATHLETICS
CALENDAR
EDUCATIONAL POLICY AND CURRICULUM
FACULTY AWARD LECTURE
FINANCIAL AID TO STUDENTS
GRADUATE
GRADUATE FELLOWSHIPS
HONORARY DEGREES
INTERNATIONAL STUDENTS' ADVISORY
INTERNATIONAL STUDY PROGRAMS
LIBRARY
STUDENT CONDUCT AND SCHOLARSHIP
STUDENT LIFE
VISITING LECTURERS

REGISTRATION STATISTICS, DEGREES AND HONORS

GENERAL SUMMARY OF REGISTRATION, 1965-66

	<i>Fall Term</i>			<i>Winter Term</i>			<i>Spring Term</i>		
	<i>Men</i>	<i>Women</i>	<i>Total</i>	<i>Men</i>	<i>Women</i>	<i>Total</i>	<i>Men</i>	<i>Women</i>	<i>Total</i>
Graduates	38	40	78	32	32	64	41	42	83
Seniors	193	139	332	207	143	350	216	140	356
Juniors	236	132	368	219	128	347	216	119	335
Sophomores	244	168	412	232	155	387	222	152	374
Freshmen	243	163	406	232	161	393	228	158	386
Special	3	4	7	3	2	5	3	4	7
TOTAL	957	646	1603	925	621	1546	926	615	1541
Total Number of Individuals Registered									
Fall, Winter, Spring Terms 1965-66	971	673	1644						
Summer Term 1965	179	155	334						
	1150	828	1978						
Less duplication of Summer Term Students									
in any regular term 1965-66	88	51	139						
NET TOTAL—July 1965-June 1966	1062	777	1839						

HONORARY DEGREES CONFERRED IN 1964-65

Doctor of Divinity

John Ernest Burkhart
James Daniel Glasse

Lee Von Kliever
Robert Thurlow Stellar

Doctor of Humane Letters

Walter Donald Kring

Doctor of Humanities

Van Austin Harvey

Doctor of Laws

Arthur Gardiner Coons
Carter Davidson
Dana Latham
Richard William Millar

Kenneth T. Norris
Toshiro Shimanouchi
Jesse W. Tapp
William Homer Heyward Turner

Doctor of Science

Hall Livingstone Hibbard

Ira Loren Wiggins

DEGREES IN COURSE

DEGREES IN COURSE CONFERRED IN 1964-65

Doctor of Philosophy

Bernice Braid

Master of Arts

Tetsuto Akutagawa
Marilen J. Alba
Barbara Towner Berry
Marilou Lanning Conner
Virginia Hale Fick
Janice Mae Forsen
E. Elvira P. Gajo
Stephen William Gelsinger, Jr.

Adrienne I. Howey
Lai Wen-Hsiong
Frances Hegwood Manly
Horace Dean Simons
David Nevin Smith, Jr.
Richard L. Taylor
Roger Phillips Withrow

Bachelor of Arts

Graduation Honors include the following: *Summa Cum Laude*, awarded to those students who have achieved a grade of A in 32 courses and an A— or above in the comprehensive examination; *Magna Cum Laude*, awarded to those students who have achieved a grade of A in 27 courses and a B or above in the comprehensive examination; *Cum Laude*, awarded to those students who have achieved a grade of A in 18 courses and a B— or above in the comprehensive examination. Included in the following list are students who have fulfilled either the requirements outlined above or those effective at the time of transition to the Three-Three Program. *Summa Cum Laude* is indicated by ¹, *Magna Cum Laude* by ², and *Cum Laude* by ³.

Richard Jacob Abrams
Shirley Theresa Anderson
Ted Law Anderson
William Ward Anderson
Hamilton Webster Arnold
Diana Jean Augspurger

S. Rush Bailey III
Robert Earl Barnett
Pamela Frances Bartlett
Janet Alberta Bean
Robert Francis Beck
Linda Marguerite Beehler
William George Philip Bensing
Anne Louise Bersinger
Robert Howard Blackburn
Richard Leslie Blake
²Margaret Aviles Blakeley
Marilyn Louise Blakey
Pamela Ann Blanchard
Carl Irving Blau
Robert Jonathan Blohm
Reid Roberts Bogert
Bonnie Marian Bonadurer
Joan Ellen Boselly
³Michael Ross Bourne
Peter Dufton Bowen
John Carl Bowers

³Valerie Joanne Bradley
Ronald Arthur Brandt
Barbara Allman Breitbarth
David Martin Breslow
William Dale Brilhart
Frederick William Brock
Suzanne Eugenie Bronson
Diane Elizabeth Broughton
David Austin Brown
Miriam Ruth Brown
Paul Michael Bruno
Richard Henry Brunt
Donald G. Bryan
Beverley Bryant
Tawna Madge Buchanan

³Diane Cook Camp
Marilyn Roberts Canales
Lynne Anne Carmichael
Christopher Alan Carr
Richard Hart Carrigan
John Alan Carroll
Elizabeth Ellen Chalmers
William Paul Charowhas
Paul Otto Chelson
Suelyn Ching
Herschel Roswell Cobb II
³Susan Kay Cochrane

²James Philmore Collins, Jr.
 Jerald Dave Colmery
 James I. Condie, Jr.
 Marinus Willett Conway III
 Gale Cooper
 Janet Elaine Cox
 Paul Babcock Crawford
 Sheryl Ann Crawford
 Kenneth R. Critchlow
 Kathleen Elizabeth Cullinane
 Robert Craig Cummins

Freda Belle Daniels
 Susan Walker Dannenberg
 Pieter R. d'Arnaud
 Phillip Lee Davidson
 James Edward Davis
 Monica Jane Davis
 Richard Earl Davison
²Barbara Jean Deck
 Frank Warren Denson
 Ann Elizabeth Dickson
 Parnian Djalali
 Jerry Peele Dolbow
³Sarah Alida Dowell
 Edward Richard Dudley
 John Rivard Dufresne
 Clement Anslem Evans Dunbar III
 Judith Jean Duncan

²Joyce Kay Eddy
²Nancy Norem Edwards
³William Dee Ellis
³Michael Patrick Emery
 Katherine Elizabeth Endress
 Gerard Ernest Engelskirchen

Raymond Richard Farnell
³Judith Kay Fireman
³Mark Lawrence Fisher
 Joe Robert Fitschen
 James Barry Fitzmaurice
 Sharon Patricia Flynn
 Eric Ronald Force
²Florence Jane Force
 Stuart Alexander Forsyth
²Carroll B. Foster III
 Deanna Donaldson Foster
 Kathie Cole Freeman
 Gerald Nobuo Fujii

John William Gabriel
 John Patrick Garner
 Michael Alan Garoutte
 Lee Anne Gates
 Karen Marie Geldman

Lowell Bruce Gibby
³Susan Elizabeth Gifford
 Valerie Jean Gillespie
 Peter Nicholas Giovan
 Linda Joyce Globig
 Mary Cornelia Graff
 David McAllister Graham
 Frank Loyd Green

Harriet Craddock Haden
 Donald Robert Hagen
²Susan Alexandra Hamilton
 Joan Hamstra
 Martha Frances Hanigan
²Dorothy Day Harden
 Darrell K. Harvey
 Henry Osgood Harwell
 Muriel Haskell
³Susan Elizabeth Haynes
 Susan Kay Heitman
 Betsey Lewis Helie
 Meredith Louise Helland
 Robert Donald Henderson
 Anne Ward Hersey
³Anne Elizabeth Hibbs
 Walter Bradley Hill
²Douglas M. Hindley
 Pamela Joan Hoiles
 Paul H. Horton
 James Hosney
 Mary Ann Houston
 JoAl Gay Hreha
 Vaughan Elizabeth Hudson
 John Christiansen Huenink
 Joan Jessica Hueter
 John Anthony Hulbert

²Lois Dorene Johanson
 Eric Alfred Johnson
 Kathleen Truax Johnson
³Steven Randolph Johnson
 Christian Trevor Jones
 Darryl Edmond Jones
 James G. Jones
 Levan Louise Jones
 Linda Jean Jordan

Henry Kainerugaba
³Margaret Mary Kaufmann
 John T. Keeler
 Lester Richard Kellman
 Donald John Kemp
 Kenneth Wayne Kendall
 James Harry Keppel
 Gerald Stephen Key
 Abdillahi Ali Khireh

DEGREES

John Parker King, Jr.
Lawrence Kenneth Kirk
Chris Lynn Kleinke
William Henry Klemme
Gary Warren Kriege
James Andrew Krusoe

Lonnie Ray La Mance
Alice Louise La Moree
Penelope Lapham
John George Laros
²John T. Latimore
Thomas Cleaver Layton
Richard Wayne Lazaro
Bruce William Lea
Karen Ann Lee
James Gerald Leesch
³Harold Roy Lentzner
Virginia Ann Lewis
Barbara A. Lidy
²Robert Nels Lindquist
Lloyd Linsey Logan, Jr.
Stephen Merrill Lott
David Victor Lourie
²Edward Alden Lowman
Peter Barton Lucke

Kinne Darrow McCabe
Mary Ann Wilson McCabe
Lucy McCartan
Gary Don McCartor
Duncan Earle McCosker
John Howard McGuire
Grace Elizabeth McKenney
Marilyn Louise McKenzie
Jessie Louise Macbride
Miro Joseph Macho
James B. Maguire III
Steven Robert Malmquist
Joseph Harold Malone, Jr.
James Wendell Malsbury
Wayne Holmes Markland
Jerry Allen Martin
Christine Lynn Mather
Barbara Lee Matthews
Ian Leslie Mattoch
Patrick Allison Mauer
William A. Miles
Roger James Millar
Richard Bert Miller
Mary Lloyd Dow Mills
Raymond J. Monti, Jr.
Daniel McKinney Moore
Arthur William More
Stephen Craig Moreland
John Robertson Morse

Robert Franklin Mougeot
Agnes Sue Mulhearn
³Helene Patricia Murphy
Thomas Mantle Murray

Edwin Leroy Neal
Karen Alice Neergard
Gloria Jeanne Neilsen
³Deanna Jean Nichols
Carol Lynn Niersbach
³Leslie Janice Noble

Steven D. Ogden
David Albert Olsen
Merle Theodore Olson
Jose Rafael Garcia Otero
Philip John Ouellet
John Paxton Owen

Ralph Cornell Page
Anita Carol Paradowski
Don Ernest Parmiter
Ann Elizabeth Patterson
Gary Norman Paul
James Theodore Paul III
²Bonnie Rae Pedrotti
John Francis Pellegrin
Frank William Peterson
Peter Pflaum
Paul Alan Pflueger III
²Judith Kay Pieper
Robert William Pommerville

Ann Milne Ramsay
David Alan Rasmussen
Philip Kendall Rawlings
²David James Reber
Jeffrey Record
Richard Wells Reed
John Anthony Reeves, Jr.
John Walter Renner
³David Earle Reuther
David Charles Rhode
Donald Melvin Roberson
Joan Marie Roberts
Carolann King Robey
Rosemary Luke Rogan
Deanna Jean Rogers
³Elizabeth Ann Rose
³Ethel Mehl Rosenberg
Suzanne Caroline Rosse
Bradford Wayne Roth
Richard Lord Russell, Jr.

Raymond Gregory Saatjian
John Eldor Sailer

DEGREES

Namlyn Francine Sakaue
¹Lewis Daniel Sargentich
³Bernard Rudd Schoeffel
 Chester William Schweers
 Frank Miller Scoonover, Jr.
 Carol Jean Seekins
 John Michael Sellars
 John C. Shaffer, Jr.
²Robert Lee Shane
 George William Shipp
 David Laing Sibbet
 Gerald Cantrell Simerman
²Jeffrey Stuart Smith
³Philip Edward Smith II
 Stilson Hutchins Snow, Jr.
 Marian Louise Sobota
 William David Solbach
 Suzanne Gail Speakman
 Lynda Rae Sprott
 Ann Francine Stanley
 Robert V. Starr
¹Axel Detlef Steuer
 Newell Alexander Stevens
³Alan Keith Stoker
³Marilyn Doris Strauss
 Susan Kathe Stromberger
³Linda Elizabeth Stroop
³Gerald Tze-Ping Sun
 Roberta Swanson
 Stephen Kells Swenerton
 Ronald George Szudarski

 David Merrick Taylor
 John Howard Taylor
 William James Tennison IV
 David C. Thayer
 James Goss Thompson
 Jill Annette Tiller
 Richard Earnest Tirrell
 Barbara Lauridsen Tjeerdsma
²Wendy Torrance
 Malcolm Raymond Trifon

³Thomas Lindley Trueblood
 Lewis Sheridan Trusty
 Fumino Tsuchiya
 Georgia Grace Tucker
 Marian Lauretta Turner

 Derrick Anne Vanderwaart
³Arthur Wayne Varnes
 Mark Antone Villard

John Steven Waddell
 Ernest Halman Walberg, Jr.
 Carroll Ann Walker
 Richard George Waller
 Susan Kay Waltner
²Judith Marie Warfield
 Michael G. Waring
 David Rory Weblemoe
 Thomas Willard Wenzel
²Linda Lomax West
 Wayne Thomas Westling
 Lynn Woodroof Wetzell
 Tracy Alan Wheeler
 Steven Hall White
 Jean Marie Widaman
 Wallace Luttrell Wiggins
 Douglas Berry Williams
³Margaret Ellen Williams
³Peter Colburn Williams
²Jo Anne Armstrong Willson
²Prentiss Willson, Jr.
 Frederick Marshall Wilson
²Goetz Wolff
 William Stephen Wood
³Sheila Doran Woodruff
 Fred Lynn Worthington

Alana Lee Yauchzee
 Karen Lynn Yetter

John David Zimmerman
 Georgia Ann Zurn

SUMMARY OF DEGREES CONFERRED IN 1964-65

Honorary Degrees

Doctor of Divinity	4
Doctor of Humane Letters	1
Doctor of Humanities	1
Doctor of Laws	8
Doctor of Science	2

Degrees in Course

Doctor of Philosophy	1
Master of Arts	15
Bachelor of Arts	343

HONORS

HONORS AWARDED IN 1964-65

Graduation Honors of *Summa Cum Laude*, *Magna Cum Laude* and *Cum Laude* are indicated in the list of Bachelors of Arts.

During the year 1964-65 the following students were elected to the Delta Chapter of Phi Beta Kappa:

Margaret Aviles Blakeley
James Philmore Collins, Jr.
Barbara Jean Deck
Joyce Kay Eddy
Nancy Norem Edwards
Judith Kay Fireman
Florence Jane Force
Carroll B. Foster, III
Susan Alexandra Hamilton
Dorothy Day Harden
Susan Elizabeth Haynes
Douglas M. Hindley
James Hosney
Lois Dorene Johanson
John T. Latimore
Robert Nels Lindquist
Edward Alden Lowman
Leslie Janice Noble
Bonnie Rae Pedrotti

Judith Kay Pieper
David James Reber
Ethel Mehl Rosenberg
Lewis Daniel Sargentich
Robert Lee Shane
Jeffrey Stuart Smith
Alex Detlef Steuer
Linda Elizabeth Stroop
Gerald Tze-Ping Sun
Wendy Torrance
Arthur Wayne Varnes
Judith Marie Warfield
Linda Lomax West
Margaret Ellen Williams
Peter Colburn Williams
Jo Anne Armstrong Willson
Prentiss Willson, Jr.
Goetz Wolff

The following students qualified for College Honors at graduation under the program described on pages 53-54:

Margaret Aviles Blakeley
Sharon Patricia Flynn
Kathleen Truax Johnson
Steven Randolph Johnson
Gary Norman Paul
Jeffrey Record

Ethel Mehl Rosenberg
Lewis Daniel Sargentich
David Laing Sibbet
Philip Edward Smith, II
Peter Colburn Williams
Jo Anne Armstrong Willson

Departmental Honors were conferred upon the following at graduation:

In Biology: Kenneth R. Critchlow
Lois Dorene Johanson
Darryl Edmond Jones
Gerald Stephen Key
Patrick Allison Mauer

In Chemistry: James Edward Davis
William Dee Ellis
Arthur Wayne Varnes

*In Diplomacy and
World Affairs:* Helene Patricia Murphy
John C. Shaffer, Jr.

In Economics: Robert Earl Barnett
Virginia Ann Lewis
Miro Joseph Macho

David James Reber
Gerald Tze-Ping Sun

In English: Clement Anslem Evans
Dunbar, III
Ethel Mehl Rosenberg
Philip Edward Smith, II

In History: Dorothy Day Harden
Gary Norman Paul
Bonnie Rae Pedrotti
Linda Lomax West

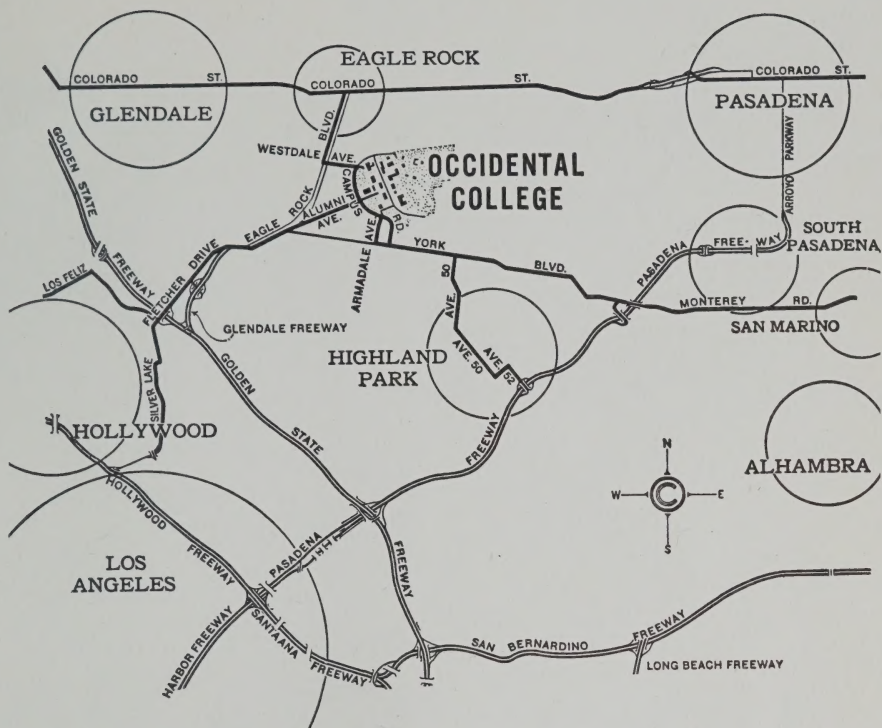
In Music: Susan Alexandra Hamilton

In Psychology: Michael Patrick Emery
Katherine Elizabeth Endress
Susan Elizabeth Haynes
Margaret Ellen Williams

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HOW TO GET TO OCCIDENTAL COLLEGE

By Automobile. From Los Angeles, take the Pasadena Freeway north to Bakersfield turnoff, then take the Golden State Freeway north to the Glendale Freeway. Follow the Glendale Freeway to its terminus at Fletcher Drive. Continue on Fletcher Drive two blocks to its merger with Eagle Rock Boulevard. Take Eagle Rock Boulevard north to the intersection of York Boulevard. Turn right on York Boulevard, then turn left at Avenue 45 and travel one block to Alumni Avenue. Turn right. Alumni Avenue terminates at the main gate of the campus.

By Bus. Metropolitan Transit Authority motor coaches. Take either the York Boulevard "6" coach or the Eagle Rock "7" coach northbound, on Broadway in downtown Los Angeles. Ride to Armadale Avenue on the "6" line, or to Westdale Avenue on the "7" line.

From Glendale, eastbound coaches, line "31," connect with the "7" coach in Eagle Rock, as do westbound coaches of the same line from Pasadena.

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Occidental College Bulletin